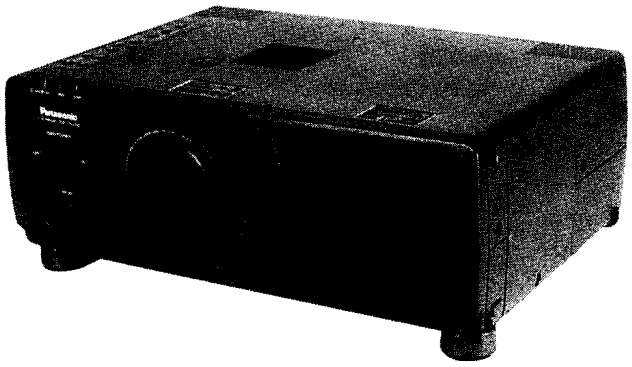
ORDER NO. VED9706236C2

Service Manual

LCD Projector

PT-L592 E EG EA

PT-L392 E EG EA



The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

Specifications

Power supply:
220~240 V AC, 50/60 Hz
Power consumption:
380 W (During stand by (when fan is stopped): Approx. 13 W)
Max amps: 2.0 A
LCD panel:
Panel size (diagonal): 33 mm (1.3")
Display method: 3 transparent LCD panels (RGB)
Drive method: Active matrix method
Pixels:
PT-L592E/EG/EA: 1,440,000
PT-L392E/EG/EA: 921,600
Lens:
F 2.5~3.1
f48~72
Retractable lens mechanism
Lamp:
Metal halide (260 W)
Luminosity: 1,016 mm (40-inch) screen
PT-L592E/EG/EA: 600 lm/ANSI
PT-L392E/EG/EA: 800 lm/ANSI
Scanning frequency:
During S-VIDEO/VIDEO signal input
H 15.75/15.63 kHz, V 50/60 Hz
During RGB signal input
Built-in data selection (point scan) method
H 23~69 kHz, V 50~85 Hz (PT-L592E/EG/EA)
H 23~38 kHz, V 50~73 Hz (PT-L392E/EG/EA)
Projection size (diagonal):
762~7,620 mm (30~300 inches)
Throw distance: 1.0~16.2 m (3'3"~53'2")
Optical axis shift: ±0/10
Screen aspect ratio: 4 : 3
Installation:
Ceiling/Floor/Front/Rear (Menu selection method)

Speaker:
4 cm×2.85 cm (19/16"×1 1/8") ellipse ×2 (stereo)
Max. usable volume output:
2 W (1 W+1 W) (10% THD)
Connection terminals:
RGB IN: Double-line D-SUB HD 15-pin (female)
R.G.B.: 0.7 Vp-p (1.0 Vp-p at G·SYNC signal), 75 Ω, BNC
HD/SYNC: 0.6~8.0 Vp-p high impedance, automatic plus/minus polarity compatible
VD: 0.6~8.0 Vp-p high impedance, automatic plus/minus polarity compatible
AUDIO IN:
Double-line 0.5 Vrms M3 jack (Stereo MINI)
S-VIDEO IN:
Single-line, Mini DIN 4-pin
Y 1.0 Vp-p, C 0.286 Vp-p, 75 Ω,
NTSC/PAL/SECAM/NTSC 4.43-compatible
VIDEO IN:
Single-line, Phono pin jack (S-VIDEO priority)
1.0 Vp-p, 75 Ω, NTSC/PAL/
SECAM/NTSC 4.43-compatible
AUDIO IN L-R:
0.5 Vrms Phono pin jack ×2 (L-R)
AUDIO OUT terminal:
M3 jack (Stereo MINI) ×1 (monitoring output and stereo compatible)
0~2.0 Vrms (variable)
SERIAL input connector:
D-SUB 9-pin (male)
For computer-controlled operation
MOUSE input connector:
13-pin round connector
For wireless mouse function (PS/2, Macintosh and serial computer compatible)

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Power cord length:
2.5 m (8'2")
Dimensions:
Width: 421 mm ($16^{9}/_{16}$")
Height: 163 mm ($6^{13}/_{32}$")
Length: 300 mm ($11^{13}/_{16}$") (not including lens extension length)
Weight: 9.8 kg (21.6 lbs.)
Operating environment:
Temperature: 0~40 °C (32 °F~104 °F)
Humidity: 20~80% (not condensation)
Certifications: ENN60950, EN55022, EN61000-3-2, EN61000-3-3, EN50082-1

<Remote control unit>
Power supply: 3 V DC (two AA-size batteries)
Operation range: 7 m (Approx. 23.0') (When operated from directly in front of the signal receptor)
Weight: 99g (Approx. 0.218 lbs.) (with batteries)
Dimensions:
Width: 46 mm ($1^{13}/_{16}$")
Height: 34 mm ($1^{11}/_{32}$")
Length: 180 mm ($7^{3}/_{32}$")

Accessories:
Remote control unit (TNQE003): 1
AA-size batteries: 2
Power cord:
PT-L592EG/PT-L392EG: 1 (TXFSX02VTHZ, 250 V, 10A)
PT-L592E/PT-L592EA/PT-L392E/PT-L392EA: 1 (TXFSX02VTFZ, 250 V, 10A)
VGA cable (TSXF095): 1 (2.0 m [6'7"], D-SUB HD 15-pin [male] ⟷ D-SUB HD 15-pin [male])
PS/2 mouse cable (TSXF096): 1 (2.0 m [6'7"], 13-pin round [male] ⟷ DIN 6-pin [male])
Optional accessories:
CEILING MOUNT BRACKET ET-PK592

◆ Design and specifications are subject to change without notice. Weight and dimensions shown are approximate.

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC Plug before disassembling this unit.
3. It is advisable to use an isolation transformer in the AC supply before servicing.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shield, and isolation R-C combinations etc. are properly installed.
6. After servicing, be sure to restore the wires, leads, insulation barries, shields, etc.
7. After servicing, make the leakage current checks to prevent the customer from being exposed to shock hazards.

Current Leakage Check

1. Assemble the measuring instrument as shown in Fig.1. Be sure to use the voltmeter equipped with performance described in Table 1.

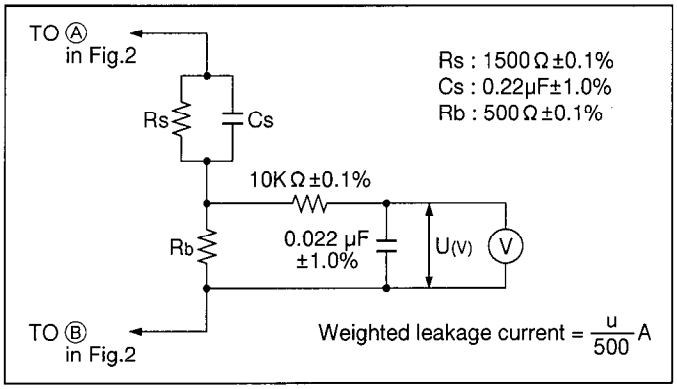


Fig. 1

Table 1

	Performance
Voltmeter (True r.m.s. reading)	Uncertainty: ≤2 % Input resistance: ≥1MΩ Input capacitance: ≤200pF Frequency range: 15Hz to 1MHz

2. Assemble the circuit as shown in Fig.2. Connect AC plug to AC outlet.

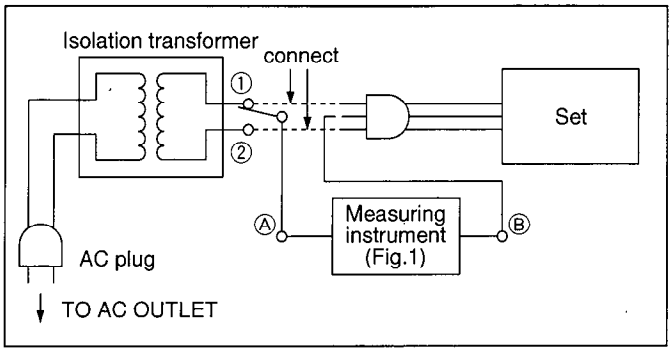


Fig. 2

3. Connect Ⓐ to ① according to Fig.2 and measure voltage.
4. Disconnect Ⓐ from ① to ②. Measure voltage again.
5. Both of the values of voltage obtained from the measurement in step3 and step4 should not be 3.75V nor exceed 3.75V.
   That is to say, both of the values calculated from the formula shown in Fig.1 should not be 0.75mA nor exceed 0.75mA.
   In case a measurement is outside of the limits specified, there is a possibility of shock hazard, and the LCD Projector should be repaired and rechecked before it is returned to the customer.

UV-PRECAUTION AND HIGH PRESSURE LAMP PRECAUTION

1. Be sure to disconnect the AC Plug when replacing the lamp.
2. Since the lamp reaches a very high temperature during its operation, wait until it has completely cooled off when replacing the Lamp Unit.
3. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
4. The high pressure lamp involves a risk of explosion. Therefore, do not touch the Lamp Filament when servicing. (See Fig. 3)

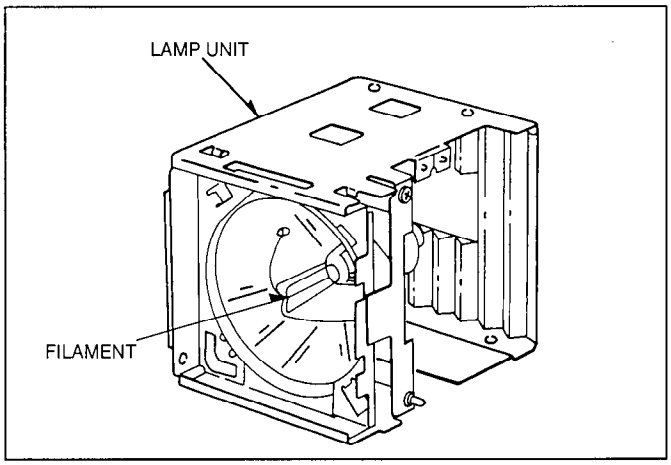


Fig. 3

Location and function of each part

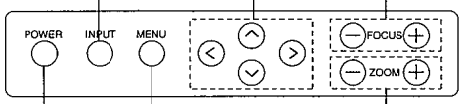
Projector

<Top and front>

INPUT select button
This button is used to select the input signal source.

Arrow buttons (Up: ∧, Down: ∨, Left: <, Right: >)
These buttons are used to select items from the menu screen and for changing setting values.

FOCUS adjustment +/- buttons
These buttons are used to adjust the picture focus.



POWER button
This button is used to turn projection of the picture on and off.

MENU button
This button is used to turn display of the menu screen on and off and to return display to the previous screen.

ZOOM adjustment +/- buttons
These buttons are used to adjust the picture size.

Built-in speakers
These are built-in speakers which are capable of outputting stereo sound.

Carrying handle
Pull out the handle and hold it when transporting the projector.

LENS SHIFT dial
Turning this dial moves the lens up and down. Use it to make fine adjustments to the lens position when setting up the projector.

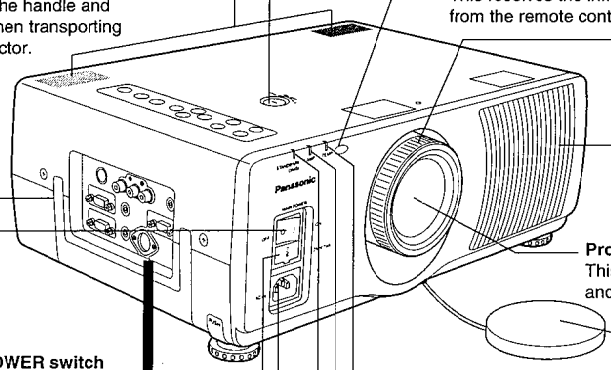
Remote control signal receptor
This receives the infrared signal transmissions from the remote control unit.

Focus ring
This ring is used to adjust the image focus.

Air outlet port

Projection lens
This lens enlarges the image and projects it onto the screen.

Lens cap



MAIN POWER switch
This switch turns the power supply to the projector on and off.

TEMP indicator
This indicator illuminates or flashes as a warning if the temperature inside the projector reaches an abnormal level.

Fuse holder
This holds a 250 V AC, T4A fuse.

LAMP indicator
This indicator illuminates when the useful life of the lamp is coming to an end, and it flashes when there is a problem with the lamp unit.

Power input socket (AC IN)
The power cord which is supplied with the projector is connected here.

Power indicator (STAND BY (R)/ON (G))
This indicator illuminates red when the projector is in standby mode, green when the projector is on, and orange when in standby mode and the cooling fan is operating.

<Back, bottom and right view>

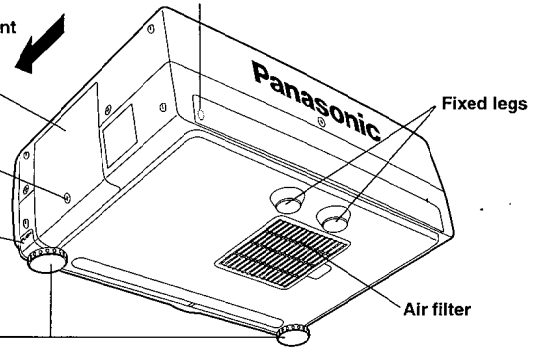
Remote control signal receptor
This receives the infrared signal transmissions from the remote control unit.

Lamp unit cover
Remove this cover to get access to the lamp unit.

Fixing screw for the lamp unit cover
Remove this screw when replacing the lamp unit.

Adjuster button
This button is used to unlock the adjustable legs.

Adjustable legs (two)
These legs can be used to adjust the angle of inclination of the projector.



<Side terminal board>

VIDEO IN terminal
This terminal is used to input composite video signals.

AUDIO IN (L-R) terminals for S-VIDEO/VIDEO input
These terminals are used to input audio signals which correspond to the signals input to the VIDEO IN or S-VIDEO IN terminal.

S-VIDEO IN terminal
This terminal is used to input S-VIDEO signals.

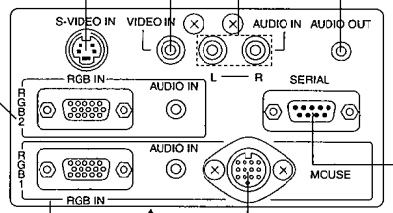
AUDIO OUT terminal
This terminal is used to output audio signals which are input from the AUDIO IN terminal for RGB input or the AUDIO IN (L-R) terminals for S-VIDEO/VIDEO input. The sound output is automatically switched when the audio input source is switched.

RGB 2 (RGB IN/AUDIO IN) connector/terminal
This connector and terminal are used to input RGB signals and the audio signal which accompany them.

SERIAL connector
This connector is used to connect a personal computer to the projector in order to externally control the projector.

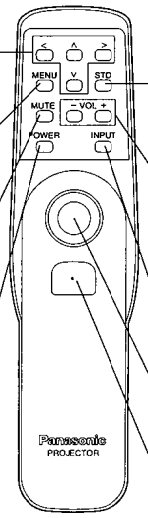
RGB 1 (RGB IN/AUDIO IN) connector /terminal
This connector and terminal are used to input RGB signals and the audio signal which accompany them.

MOUSE connector
This connector is used to connect an accessory or separate mouse cable. This lets you operate a personal computer using the pointer button and click buttons on the remote control unit instead of using a mouse.



Remote control unit

<Front view>



Arrow buttons (Up: ∧, Down: ∨, Left: <, Right: >)
These buttons are used to select items from the menu screen and for changing setting values.

MENU button
This button is used to turn display of the menu screen on and off and to return display to the previous screen.

MUTE button
This button is used to temporarily turn off the sound. If you wish to change a setting, this button can also be used to turn off the picture together with the sound.

POWER button
This button is used to turn projection of the picture on and off.

Standard (STD) button
This button is used to reset the picture adjustment values to the factory pre-settings.

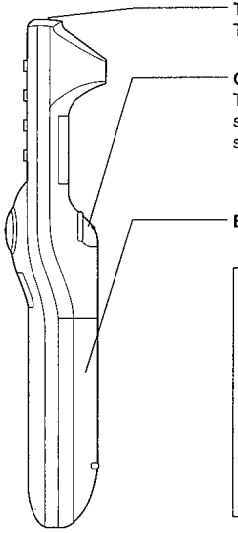
Volume adjustment buttons (VOL +/-)
These buttons are used to adjust the volume of the sound from the built-in speaker and the output level from the AUDIO OUT terminal.

INPUT select button
This button is used to select the input signal source.

Pointer button
This can be used instead of a mouse pointing device to move the screen cursor.

Click 2 button
This button corresponds to the right button on a standard mouse with two buttons.

<Side view>

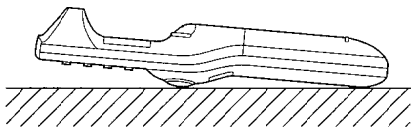


Transmitter
The infrared signals are transmitted from here.

Click 1 button
This button corresponds to the button on a single-button mouse, or to the left button on a standard mouse with two buttons.

Battery compartment cover

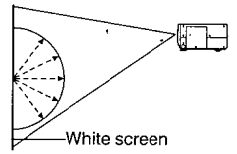
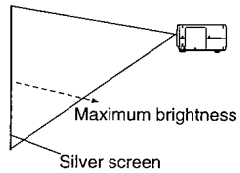
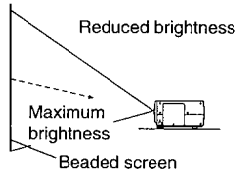
NOTE:
Do not place the remote control unit upside down, otherwise the pointer button may be pressed down, which will cause the batteries to be consumed.



Screen requirements

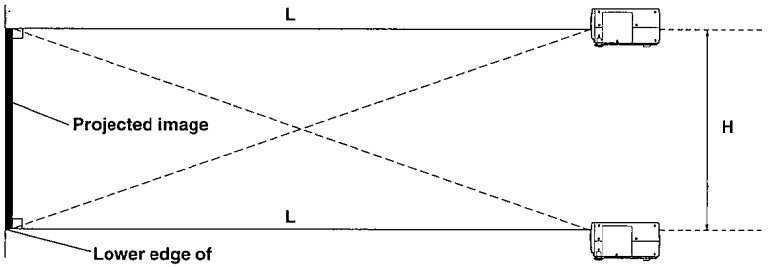
This projector is used to project the image onto flat screens. However, the brightness and viewable range will vary depending on which type of screen is used.
When selecting a screen, check the characteristics of the screen to ensure that it is suitable for the intended place of use.

Screen characteristics (reference)

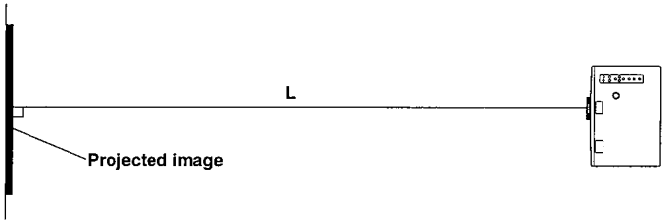
Screen type		Screen characteristics
Reflective screens	**Polarized screen**	Because the surface of the screen has been treated to make it polarized, it will only reflect light from a single direction. Consequently, if you use such a screen with an LCD projector, a clear image can be obtained even in bright rooms because the screen hardly reflects any extraneous light.
	White screen	This type of screen can be seen from anywhere, so there are no limits on the viewing position. However, the surrounding walls should be darkened as in a movie theater, otherwise a clear picture cannot be obtained. 
	Silver screen	This type of screen gives a picture which is 2–4 times brighter than a white screen. A variety of types are available from different manufacturers, and each type has different brightness characteristics. Some also have restrictions on the possible range of viewing positions. ※ Care should be taken with screens that have a high gain, as these types of screen can cause colour distortion at the left and right edges. ※ This type of screen is recommended when the projector is suspended from the ceiling. 
	Beaded screen	This type of screen is similar to the silver screen, except that no colour distortion occurs at the left and right edges. Moreover, most of the light is reflected at the same angle as the angle of incidence. ※ This type of screen is recommended when the projector is placed on the floor. 
Translucent screens	**Flexible translucent screen**	This type of screen is made of PVC (polyvinyl chloride). It has the same characteristics as silver screens, but sometimes it can have hot spots.
	Rigid-type translucent screen	This type of screen is made of acrylic plastic. It is extremely durable and has excellent optical characteristics. It performs in the same way as silver screens.

Standard setting-up positions

After determining the appropriate position for the projector by referring to the illustrations and standard setting-up dimensions given below, set up the projector. The distance **L** from the projector to the screen and the height **H** do not vary, regardless of whether the projector is being used in the floor, ceiling, front or rear positions.



L: Projection distance
H: Height from lower edge of projected image to centre of lens



Standard setting-up dimensions

Because the projector uses a × 1.5 electronic zoom lens, it is possible to adjust the projection distance. And because there is also a function provided for adjusting the height of the lens, the height of the projector can also be adjusted relative to the position of the screen.

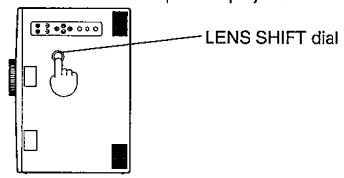
Projection size (diagonal)	Projection distance (L)		Height from lower edge of projected image to centre of lens (H)	Height from upper edge of projected image to centre of lens (H)
	Minimum	Maximum		
0.762 m (30″)	1.0 m (3′3″)	1.5 m (4′11″)	0–0.45 m (0–18″)	0– -0.45 m (0– -18″)
1.016 m (40″)	1.4 m (4′7″)	2.0 m (6′6″)	0–0.60 m (0–24″)	0– -0.60 m (0– -24″)
1.524 m (60″)	2.1 m (6′10″)	3.1 m (10′2″)	0–0.91 m (0–36″)	0– -0.91 m (0– -36″)
2.032 m (80″)	2.8 m (9′2″)	4.2 m (13′9″)	0–1.21 m (0–48″)	0– -1.21 m (0– -48″)
2.540 m (100″)	3.6 m (11′9″)	5.3 m (17′4″)	0–1.52 m (0–60″)	0– -1.52 m (0– -60″)
3.810 m (150″)	5.4 m (17′8″)	8.0 m (26′2″)	0–2.28 m (0–90″)	0– -2.28 m (0– -90″)
5.080 m (200″)	7.2 m (23′7″)	10.7 m (35′1″)	0–3.04 m (0–120″)	0– -3.04 m (0– -120″)
6.350 m (250″)	9.0 m (29′6″)	13.4 m (43′11″)	0–3.81 m (0–150″)	0– -3.81 m (0– -150″)
7.620 m (300″)	10.8 m (35′5″)	16.2 m (53′1″)	0–4.57 m (0–180″)	0– -4.57 m (0– -180″)

NOTE:
- In addition, if the projector is not completely vertical with respect to the screen and horizontal with respect to the floor, distortion of the projected image will result.
- The values in the table shown above are approximate.

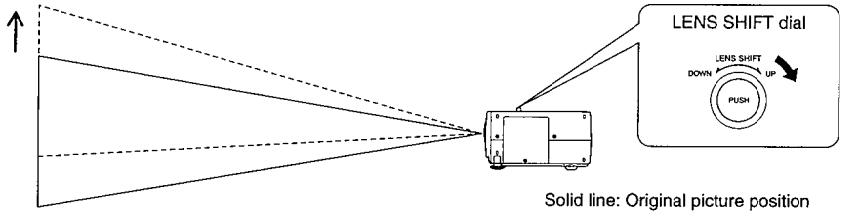
■ Adjusting the position of the projected picture

The vertical position of the projected picture can be adjusted by changing the height of the projection lens using the LENS SHIFT dial which is on top of the projector.
After determining the projection distance and the setting-up position, adjust the vertical position of the projected picture by carrying out the following procedure.

Press the LENS SHIFT dial on top of the projector. ·····The dial will pop up and it will be possible to turn it to make adjustments.

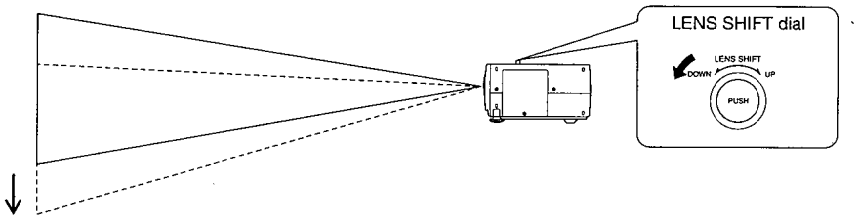


If the LENS SHIFT dial is turned clockwise, the position of the projected image will be raised.

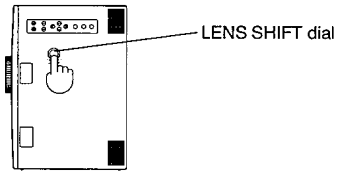


Solid line: Original picture position
Dotted line: Picture position after adjustment

If the LENS SHIFT dial is turned counterclockwise, the position of the projected image will be lowered.



Press the LENS SHIFT dial on top of the projector. ·····The dial will pop back in again and adjustment will no longer be possible.



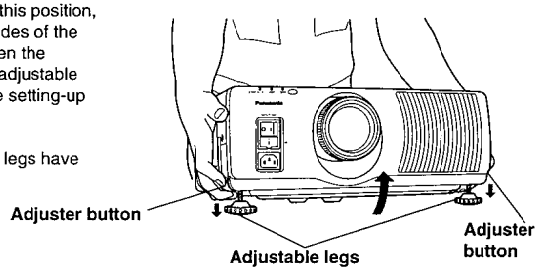
NOTE:
- The height of the projection lens can be adjusted within a range of ±10.1 mm (±25/64 inch). However, the adjustment range for the position of the projected picture will vary depending on the size of the projected picture.

■ Setting the projector up horizontally

If the projector is not set up so that it is horizontal, it will not be possible to obtain a distortion-free picture. If placing the projector on top of a table or similar surface, carry out the following procedure to ensure that no distortion of the picture occurs.

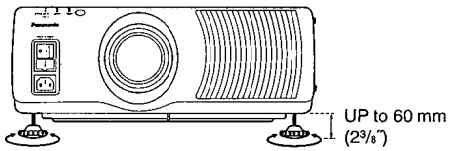
Adjustment procedure

1. Lift the front of the projector until the projector as a whole is horizontal. While holding it in this position, press the adjuster buttons under the sides of the projector (1 each at left and right). When the buttons are pressed, the left and right adjustable legs will drop down until they reach the setting-up surface.
   NOTE:
   - Do not release the buttons until both legs have reached the setting-up surface.



2. Release the adjuster buttons. (The adjustable legs will lock as soon as the buttons are released.)

3. Turn the adjustable legs by hand in either direction to make fine adjustments to the level of the projector so that the projector is perfectly horizontal.
   NOTE:
   - The legs can be extended by up to 60 mm (2 3/8"). If you try to extend them any further than this, they will merely spin freely.

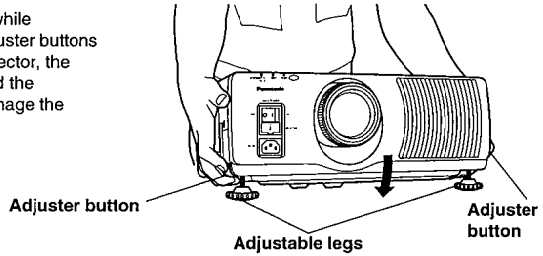


<Retracting the adjustable legs>

After lifting the front of the projector slightly, press and hold the adjuster buttons and then gently lower the projector.

NOTE:

- Be sure to support the projector firmly while pressing the adjuster buttons. If the adjuster buttons are pressed without supporting the projector, the adjustable legs will suddenly unlock and the projector will fall down, which could damage the projector.



Adjusting the lens

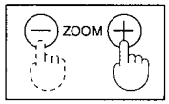
The projector is equipped with electronic zoom and electronic focusing mechanisms, so that you can carry out adjustments simply by pressing the ZOOM (+/-) buttons and the FOCUS (+/-) buttons on the top of the projector, or by following the on-screen adjustment display. Alternatively, you can adjust the focus by turning the lens directly.

NOTE:

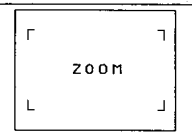
- If these buttons are pressed while the on-screen display for some other function is on the screen, the buttons pressed will operate but the on-screen display will not switch to the ZOOM or FOCUS adjustment screen. Thus there may be cases where the operation and the display do not match.

Adjustment procedure <for direct adjustment>

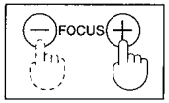
1. Press the ZOOM (+/-) buttons on the operation panel on the top of the projector to adjust the size of the picture.



If the "+" button is pressed, the picture becomes larger, and if the "-" button is pressed, the picture becomes smaller.



2. Press the FOCUS (+/-) buttons on the operation panel on the top of the projector to adjust the focus of the picture.



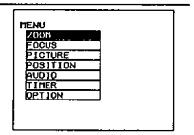
Adjust so that the image projected onto the screen is at the optimum focus.

NOTE:

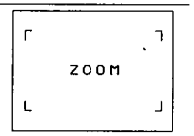
- If approximately five seconds pass without any buttons being pressed, the adjustment screen will be cleared.

Adjustment procedure <adjusting using the on-screen adjustment display>

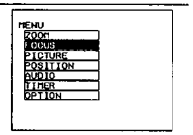
1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "ZOOM".



3. Press the "<" and ">" buttons to display the ZOOM adjustment screen.
4. Press the "<" and ">" buttons to adjust the picture size.
   If the "+" button is pressed, the picture will become larger, and if the "-" button is pressed, the picture will become smaller.



5. Press the MENU button, or wait for approximately five seconds without pressing any button. The display will then return to the MENU screen.
6. Press the "∧" and "∨" buttons to select "FOCUS".



7. Press the "<" and ">" buttons to display the FOCUS adjustment screen.
8. Press the "<" and ">" buttons to adjust the picture focus.
   Adjust so that the image projected onto the screen is at the optimum focus.

NOTE:

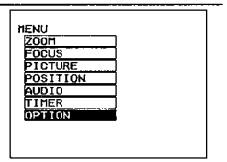
- If approximately five seconds pass without any buttons being pressed, the display will return to the MENU screen.
- The projector is equipped with a lens retracting function which will cause the lens to be retracted automatically when the power is turned off. However, the lens will not then return to the previously adjusted position even if the power is turned back on again. If you do not wish this function to operate, turn the function setting off while referring to "Using the lens retracting function".

Setting-up positions and changing the projection method

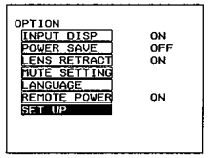
The projection method used by the projector can be changed in accordance with the setting-up position.
At the time of shipment from the factory, the projector is set to the "FRONT" projection method, but this can be changed if required.

Setting procedure

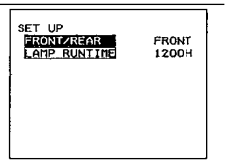
1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "OPTION".



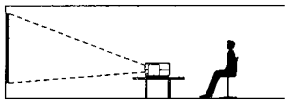
3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "∧" and "∨" buttons to select "SET UP".



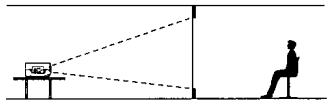
5. Press the "<" and ">" buttons to display the SET UP screen.
6. Press the "∧" and "∨" buttons to select "FRONT/REAR".
7. Press the "<" and ">" buttons to select "FRONT" or "REAR".



FRONT mounting
(Setting condition at the time of shipment from the factory.)



REAR mounting



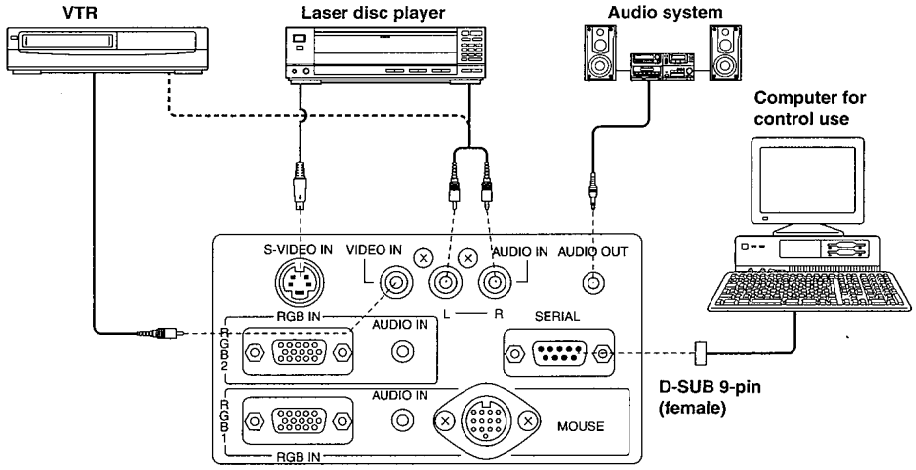
NOTE:
- The adjustment screen and the MENU screen can both be cleared by pressing the MENU button.

System configuration example

Notes on system configuration

- Turn off the power supply of each system component before connecting any of the components.
- Read the instruction manual for each system component before connecting it.
- If the necessary cables for connecting any system components are not supplied with the component or available as an option, you may need to fashion a cable to suit the component concerned.
- If there is a lot of jitter in the video signal input from the video source, the picture on the screen may flicker. In such cases, it will be necessary to connect a TBC (time base corrector).
- The projector can be connected to video signal sources which output VIDEO, S-VIDEO and analogue RGB signals (0.6–8.0 Vp-p synchronised signals).
- The projector has built-in speakers. However, you will need to connect a separate audio system to the AUDIO OUT terminal if your needs specify high sound volumes. No sound will come out of the projector's built-in speakers while the AUDIO OUT terminal is being used.
- It may not be possible to connect some types of computer.

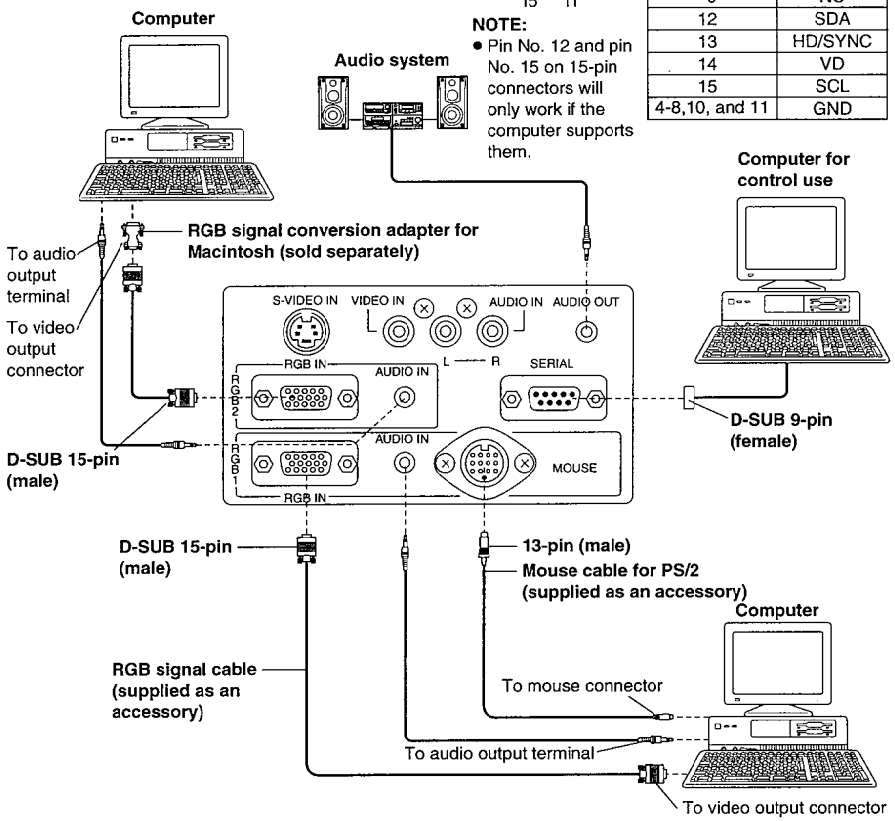
Example of connection to audio-visual equipment



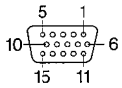
Connector panel at left side of projector

NOTE:
- If the S-VIDEO IN and VIDEO IN terminals are both connected at the same time, the S-VIDEO IN signal input will have priority. If you wish to view the signal being input to the VIDEO IN terminal, disconnect the plug from the S-VIDEO IN terminal.
- Only one audio signal input system is available for the AUDIO IN (L-R) terminals for S-VIDEO/VIDEO signals, so if you wish to change the audio input source, you will need to remove and insert the appropriate plugs.
- If the video signal source is connected using a cable with a BNC junction plug, use the BNC/RCA adapter to convert the pin jack.
- If an audio system is connected to the AUDIO OUT terminal, the sound volume balance and muting can be controlled by the remote control unit which is supplied with the projector. However, if the volume is set to "0", no audio signal will be output from the AUDIO OUT terminal.

Example of connection to a computer



- Pin configuration and signal names for RGB connector



Pin No.	Signal name
1	R
2	G/G-SYNC
3	B
9	NC
12	SDA
13	HD/SYNC
14	VD
15	SCL
4-8,10, and 11	GND

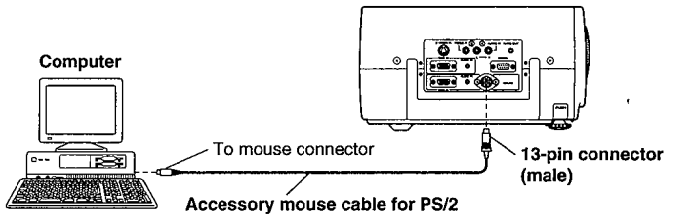
NOTE:
- Pin No. 12 and pin No. 15 on 15-pin connectors will only work if the computer supports them.

NOTE:
- If the mouse connector on the projector is connected to the mouse connector on the computer with the accessory or separate mouse cable, you can then use the remote control unit in place of the computer's mouse. However, this function operates only when input to the RGB 1 connector has been selected.
- If you wish to use the infrared mouse function, turn on the main power to the projector before turning on the personal computer.
- If using a personal computer with a suspend/resume function, the infrared mouse function may not operate until the computer is restarted.
- If computers other than those listed here are used, correct operation cannot be guaranteed.

Wireless mouse

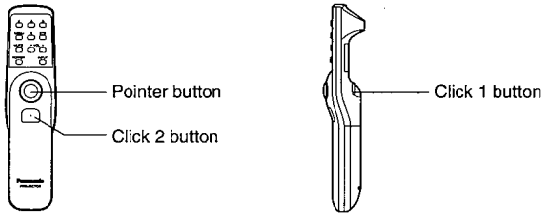
A wireless mouse function is provided. This function lets you use the remote control unit to control a personal computer in place of the personal computer's mouse. This is done by connecting the projector to a personal computer using the mouse cable (2.0 m (6'7") for PS/2 mouse) which is supplied with the projector. However, if you wish to use the wireless mouse function by connecting the projector to a personal computer which is not PS/2 compatible, you will need to purchase a separate mouse cable which is not included with the projector.
This projector is compatible with the following types of mouse only. Other types of mouse cannot be used.
- PS/2 mouse
- Macintosh mouse
- Serial mouse

Example of connection

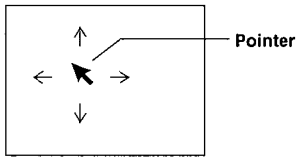


NOTE:
- If using a computer which is not PS/2 compatible, please purchase a mouse cable that is suitable for the computer to be used.
- Different mouse cables are used for different types of computers. Therefore, do not use any mouse cables other than the one supplied or a special mouse cable intended for this purpose.
- The wireless mouse function operates only when input to the RGB 1 connector has been selected.

Operation



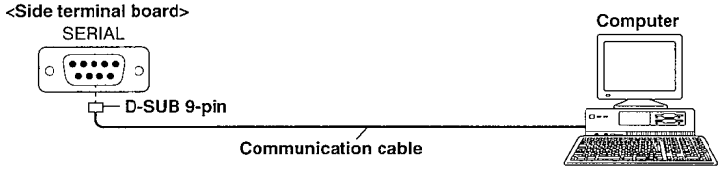
- **Pointer button**
  While gently pressing the pointer button with your thumb, push the pointer button back and forward and to the left and right. The pointer (arrow) will move back and forward and to the left and right on the screen.



- **Click 1 button**
  This button corresponds to the button on a single-button mouse, or to the left button on a standard mouse with two buttons.
- **Click 2 button**
  This button corresponds to the right button on a standard mouse with two buttons.

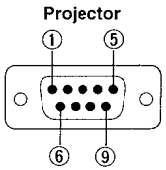
Using the serial connector

The serial connector which is on the side terminal board of the projector conforms to the RS-232C interface specification, so that the projector can be controlled by a personal computer which is connected to this connector.



NOTE:
- Use a proper communication cable which is suitable for the personal computer to connect the serial connector and the personal computer.

Pin layout and signal names for SERIAL connector



D-SUB 9-pin connector (male) seen from the outside

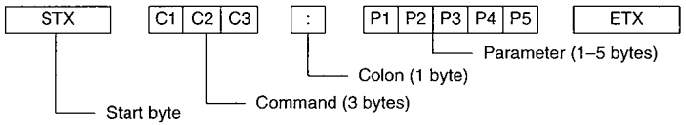
Pin No.	Signal name	Contents
①		NC
②	RXD	Received data
③	TXD	Transmitted data
④		NC
⑤	GND	GND
⑥		NC
⑦	RTS	Connected internally
⑧	CTS	
⑨		NC

Communication settings

Signal level	Determined by the RS-232C interface
Synchronising method	Asynchronous
Baud rate	9600 bps
Parity	None
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

Basic format

Each packet which is sent from the computer starts with STX. Following this is the command itself and the parameters for that command (if any), and the packet then ends with ETX. Add parameters when necessary according to the control contents.



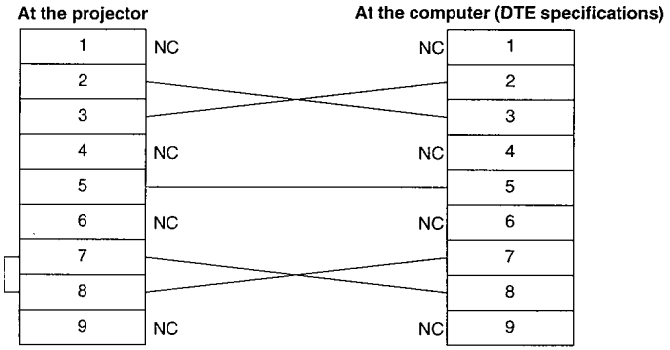
NOTE:
- If sending multiple commands, check that a response has been received from the projector for one command before sending the next command.
- If an incorrect command is sent from the personal computer, the "ER401" command will be sent from the projector to the personal computer.

Control commands

The commands which the personal computer can use to control the projector are shown in the following table.

Command	Control Contents	Remarks
PON	Power ON	In standby mode, all commands other than the PON command are ignored.
POF	Power OFF	
AVL	Volume	Parameter 000 = Adjustment value 0 : 063 = Adjustment value 63
AMT	Mute	Parameter 0 = MUTE OFF 1 = MUTE ON
IIS	Input signal selection	Parameter VID = VIDEO RG1 = RGB1 RG2 = RGB2

Cable specifications



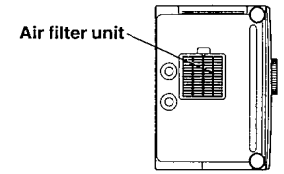
Cleaning the air filter

If the air filter becomes clogged with dust, the internal temperature of the projector will rise, the TEMP indicator will flash and the projector will be switched automatically to standby mode.

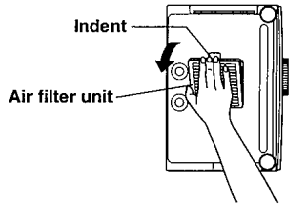
Cleaning procedure

1. **Turn off the main power supply and disconnect the power cord plug from the wall outlet.**
   Turn off the main power supply according to the procedure given in "Turning the power on and off" on page 11 before disconnecting the plug from the wall outlet.

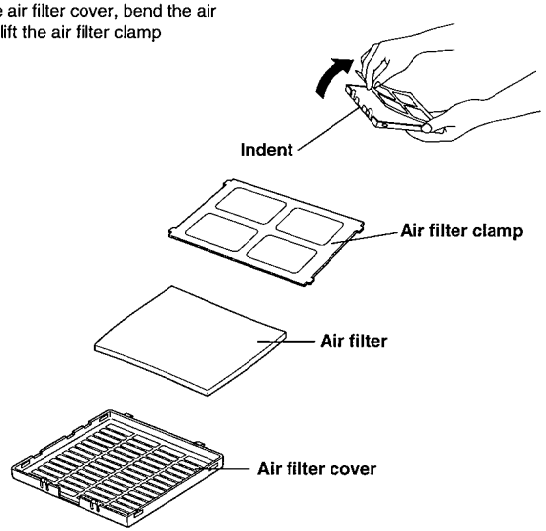
2. **Gently turn the projector upside down.**
   Place the projector on top of a blanket so that it will not become scratched.



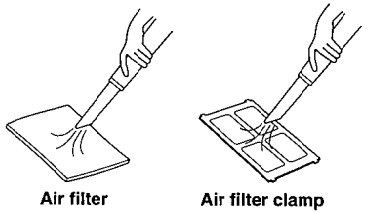
3. **Remove the air filter cover.**
   Hold the indents on the air filter cover with your hands and pull the air filter unit out of the projector.



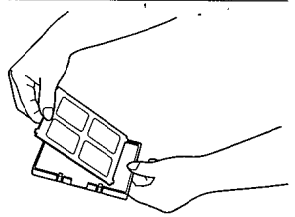
4. **Remove the air filter clamp and then take out the air filter.**
   Insert your finger into the indent in the air filter cover, bend the air filter clamp slightly inwards, and then lift the air filter clamp upwards to remove it.



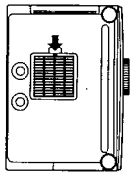
5. **Clean the air filter and the air filter clamps.**
   Use a vacuum cleaner to clean off any accumulated dust.



6. **Install the air filter and the air filter clamp to the air filter cover.**
   Place the air filter inside the air filter cover, and then insert the air filter clamp into its original position as shown in the illustration.



7. **Install the air filter cover.**
   Slide the air filter cover into the projector until the hollows in the air filter cover are aligned with the hollows in the projector.
   NOTE:
   - Be sure to install the air filter cover before using the projector. If the projector is used without the air filter cover installed, dust and other foreign particles will be drawn into the projector, and malfunctions will result.

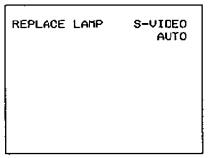


NOTE:
- If the dust cannot be removed by cleaning, it is time to replace the air filter. Please consult your dealer.

Lamp unit replacement period

The lamp used as the light source must be replaced after approximately 2,800 hours of use. If the lamp is not replaced after the cumulative usage time has passed 3,000 hours, the projector will automatically switch to standby mode.

- **Screen display once cumulative usage time exceeds 2,800 hours**
  If you continue to use the lamp unit after 2,800 hours of total usage time have passed, the on-screen display shown at right will appear as a reminder each time the projector is turned on. This display will continue to appear until a button is pressed.



Replacing the lamp unit

Notes on replacing the lamp unit

- Because the lamp unit in this projector incorporates a metal halide lamp, the temperature inside the lamp rises during use and the lamp becomes very hot. After turning off the MAIN POWER switch and disconnecting the power cord from the wall socket, wait for the lamp to cool down before replacing the lamp unit.
- Take extreme care when handling the removed lamp unit, as it contains gas under high pressure and can easily become damaged if it is struck against hard objects or dropped.
- The old lamp unit may shatter if it is handled roughly after removal.
  Ask an authorised waste disposal agency to dispose of the old lamp unit.
- A Phillips screwdriver is necessary for removing the lamp unit. Make sure that your hands are not slippery when using the screwdriver.

NOTE:

- The projector is not supplied with a replacement lamp unit. Please ask your dealer for details.
  Lamp unit product no.: ET-LA592

CAUTION: Do not use any lamp unit other than the one with the product number indicated above.

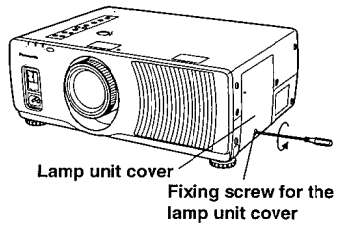
■Replacement procedure

NOTE:

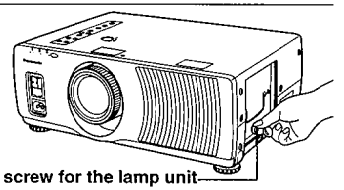
- If the lamp unit is replaced after it has been used for more than 3,000 hours, the projector will switch to standby mode after approximately 10 minutes of operation. Steps 7. to 11. on the following page should thus be completed within 10 minutes.

1. Disconnect the power cord plug from the wall outlet and check that the area around the lamp unit has cooled down.

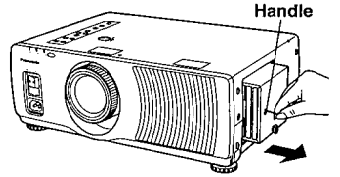
2. Use a Phillips screwdriver to remove the screw which is securing the lamp unit cover at the right side of the projector, and then remove the lamp unit cover.
   NOTE:
   - Read the CAUTION on the lamp unit cover before continuing.



3. Turn the fixing screw for the lamp unit by hand until it turns freely.
   CAUTION:
   - The lamp unit will be hot after it has been used, and you might receive burns if you touch it while it is still hot.

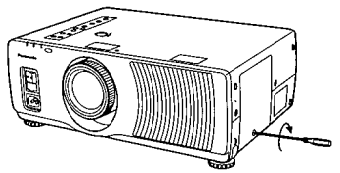


4. Hold the handle which is attached to the lamp unit and gently pull the lamp unit out from the projector.



5. Insert the new lamp unit, while making sure that the direction of insertion is correct, and then turn the fixing screw for the lamp unit by hand until it is securely tightened.
   NOTE:
   - Insert the lamp unit so that the fixing screw for the lamp unit is facing downwards.

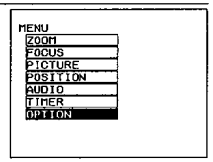
6. Securely install the lamp unit cover, and then use a Phillips screwdriver to securely tighten the fixing screw for the lamp unit cover.
   NOTE:
   - Be sure to install the lamp unit and the lamp unit cover securely. If they are not securely installed, it may cause the protection circuit to operate so that the power cannot be turned on.



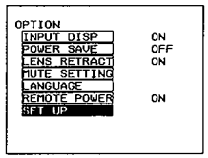
7. Insert the power cord plug into the wall outlet and then press the MAIN POWER switch on the front of the projector to turn on the power.
   NOTE:
   - If the power does not turn on when the MAIN POWER switch is pressed, turn the MAIN POWER switch off again and check that the lamp unit and the lamp unit cover are securely installed. Then turn the MAIN POWER switch back on.

8. Press the POWER button on the projector or remote control unit so that a picture is projected onto the screen.

9. -(1)Press the MENU button to display the MENU screen.
   (2)Press the "∧" and "∨" buttons to select "OPTION".



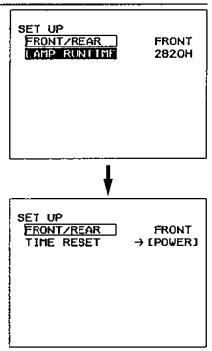
10.-(1)Press the "<" and ">" buttons to display the OPTION screen.
   (2)Press the "∧" and "∨" buttons to select "SET UP".



11.-(1)Press the "<" and ">" buttons to display the SET UP screen.
   (2)Press the "∧" and "∨" buttons to select "LAMP RUNTIME".
   - The cumulative usage time of the current lamp unit will be displayed on the screen.

   (3)Press the ">" button on the projector control panel continuously for three seconds or more. (The "LAMP RUNTIME" display will change to "TIME RESET".)
   NOTE:
   - The ">" button on the remote control unit cannot be used at this time.

   (4)While the SET UP screen (the screen showing "TIME RESET") is being displayed, turn off the power. This will reset the cumulative usage time for the lamp unit.
   NOTE:
   - If any other buttons are pressed while "TIME RESET" is being displayed, the display will return to "LAMP RUNTIME" and the button pressed will take effect.



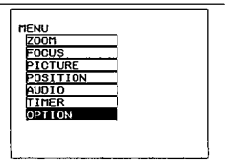
Using other useful functions

■ Changing the on-screen display language to another language

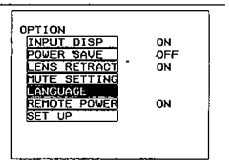
At the time of shipment, the language for on-screen displays is set to English. However, you can change it to some other language by the following procedure.

Setting procedure <For changing the language to German (DEUTSCH)>

1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "OPTION".

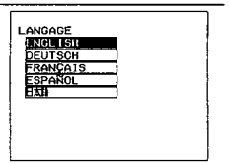


3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "∧" and "∨" buttons to select "LANGUAGE".



5. Press the "<" and ">" buttons to display the LANGUAGE screen.
6. Press the "∧" and "∨" buttons to select "DEUTSCH".
   - The setting changes each time the cursor is moved.
   - The languages that can be selected include English (ENGLISH), German (DEUTSCH), French (FRANÇAIS), Spanish (ESPAÑOL) and Japanese (日本語).

NOTE:
- Press the MENU button to clear the setting screen and the MENU screen.

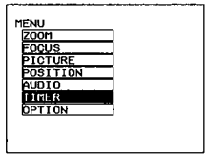


■ Using the countdown timer

The countdown timer can be used at times such as during breaks in meetings by displaying the amount of time remaining for something on the screen. The countdown time can be set to a maximum of 60 minutes, in units of One minute. The setting procedure is as follows.

Setting procedure

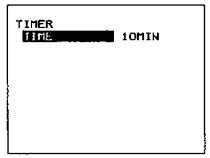
1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "TIMER".



3. Press the "<" and ">" buttons to display the TIMER screen.
4. Continue pressing the "<" and ">" buttons to set the time.
   - The setting can be made in units of one minute up to a maximum of 60 minutes.
   - This function can be disabled by setting the time to "0".

5. Press the MENU button to clear the menu screen. The countdown will then start.

NOTE:
- During the countdown, the screen will switch to the colour specified by the BACK COLOR setting.
- If you would like to cancel the countdown function after it has been activated (if you would like to clear the countdown display), go back to the TIMER screen and set the time to "0" minutes, or press the MENU button.

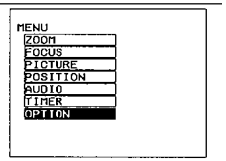


■ Using the power save function

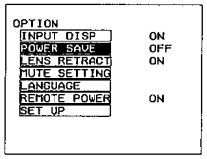
In order to conserve power, the projector is equipped with a power save function which causes it to switch automatically to the standby condition if no signal is input for 10 minutes or more. At the time of shipment from the factory this function is set to "OFF". If you would like to use the function, change the setting to "ON" by the following procedure.

Setting procedure

1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "OPTION".



3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "∧" and "∨" buttons to select "POWER SAVE".
5. Press the "<" and ">" buttons to change the setting to "ON".
   - If you change the setting to "OFF", the power save function will be disabled.



NOTE:

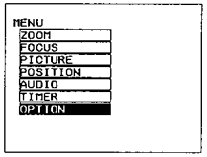
- Press the MENU button to clear the setting screen and the MENU screen.
- If both this function and the lens retracting function described below are set to "ON", the lens will be automatically retracted when the projector switches to standby mode. If this happens, you will need to readjust the zoom and focus of the lens after starting the projector again.

■ Using the lens retracting function

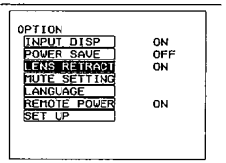
This function causes the projector lens to be retracted automatically when the projector switches to standby mode, and extends the lens again when the projector starts back up again. Having this function set to "ON" is useful if the projector will not be used for an extended period of time, or when the projector is to be transported somewhere. However, once the lens has been retracted, it will be necessary to readjust the zoom and focus of the lens once the projector has been started up again. At the time of shipment from the factory this function is set to "ON".

Setting procedure

1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "OPTION".



3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "∧" and "∨" buttons to select "LENS RETRACT".
5. Press the "<" and ">" buttons to change the setting to "ON".
   - If you set this function to "ON", the lens will be extended and retracted each time the power is turned on and off.



NOTE:

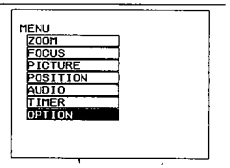
- If this function is set to "OFF", the lens will remain extended at all times.
- Press the MENU button to clear the setting screen and the MENU screen.

■ Setting the screen colour when no signal is input and during picture muting

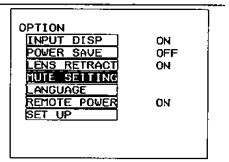
The projector can be set to project either a solid blue image or a solid black image onto the screen if nothing is connected to the projector's input terminals, or if equipment is connected but no signal is being input from it. This setting is also effective when picture muting is active and when the countdown timer is running.
At the time of shipment from the factory, the colour is set to "BLUE".

Setting procedure

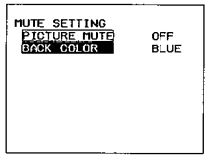
1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "OPTION".



3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "∧" and "∨" buttons to select "MUTE SETTING".



5. Press the "<" and ">" buttons to display the MUTE SETTING screen.
6. Press the "∧" and "∨" buttons to select "BACK COLOR".
7. Press the "<" and ">" buttons to change the setting to "BLUE" or "BLACK".
   - This will set the colour to be projected when no signal is being input.



NOTE:

- If a signal that the projector cannot recognise is input, the projector will consider this to be no signal.
- Press the MENU button to clear the setting screen and the MENU screen.

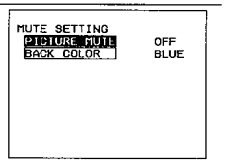
■ Using the MUTE remote control unit button to turn off both sound and picture

At the time of shipment from the factory, the MUTE button on the remote control unit is set so that only the sound is muted when the button is pressed. If you would like the picture to be muted along with the sound, set the PICTURE MUTE function to "ON" by the following procedure.

Setting procedure

The procedure below starts from the MUTE SETTING screen.

1. Press the "∧" and "∨" buttons to select "PICTURE MUTE".
2. Press the "<" and ">" buttons to change the setting to "ON".
   - If the function is set to "ON", the picture will be muted along with the sound when the MUTE button is pressed.
   - If the function is set to "OFF", only the sound will be muted when the MUTE button is pressed. (Factory pre-setting)



NOTE:

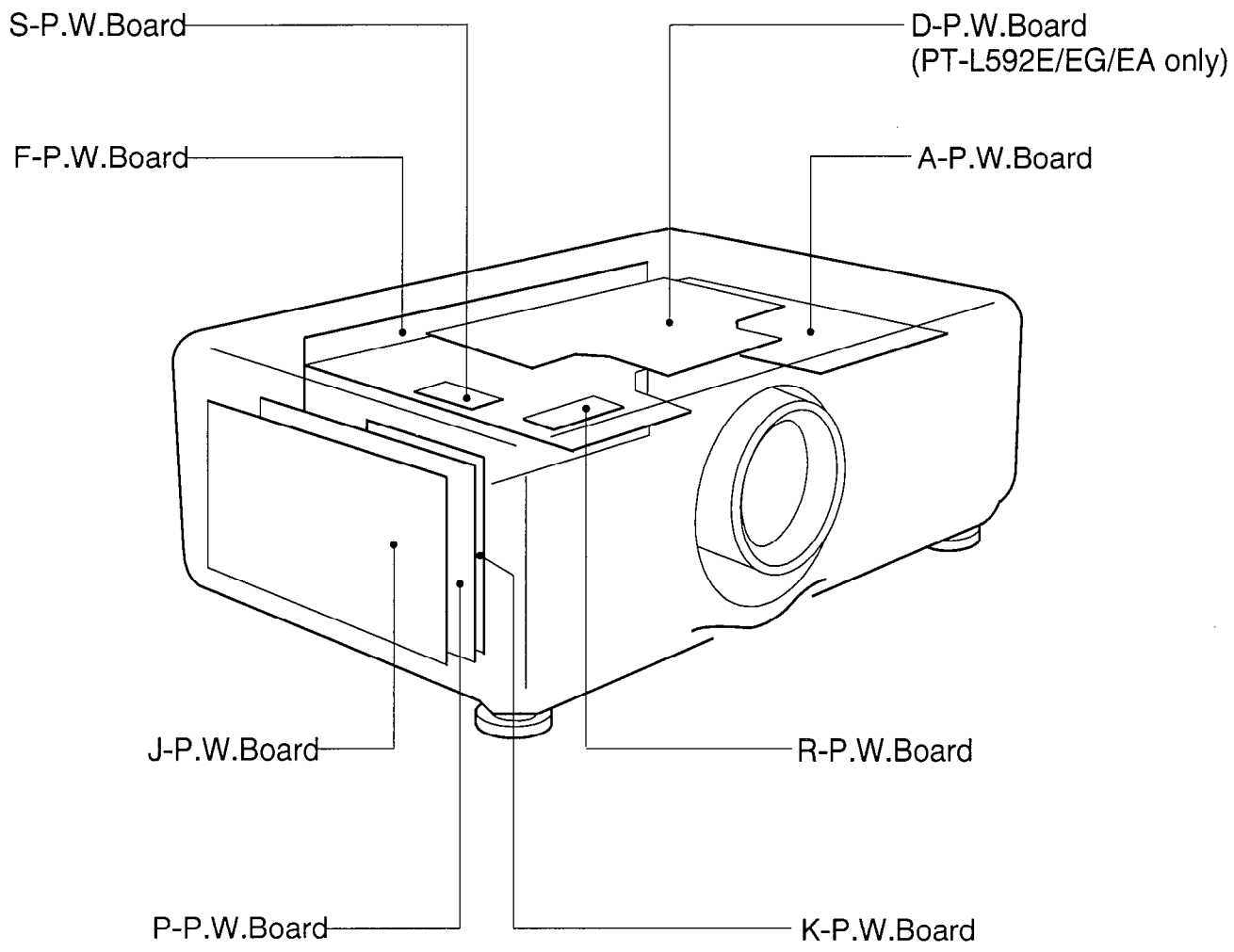
- Press the MENU button to clear the setting screen and the MENU screen.
- When PICTURE MUTE is on, the colour projected will be the same colour as the BACK COLOR setting.

Disassembly Instructions

WARNING:

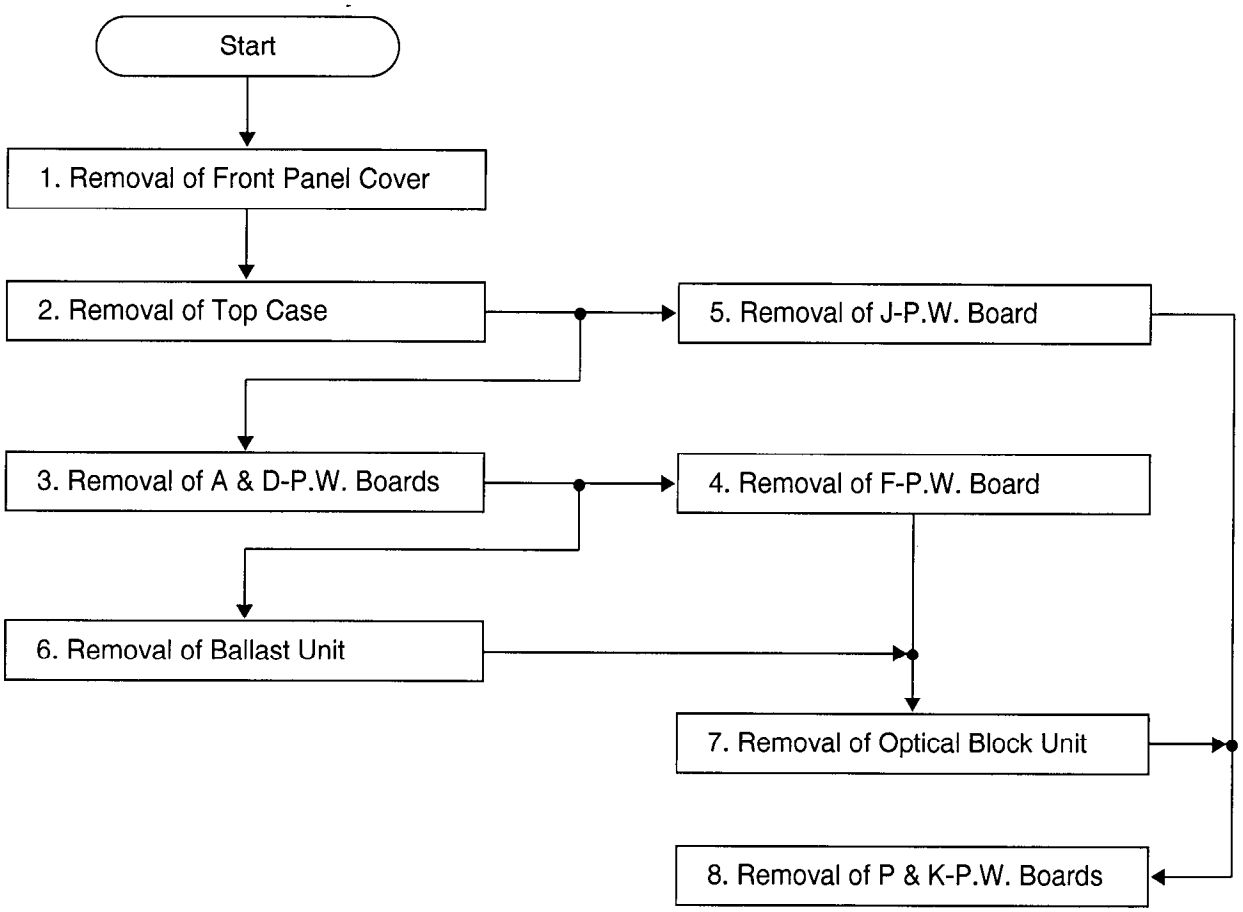
1. Before disassembly, remove the AC plug from the wall outlet.
2. When turning over a P.W. board to adjust it, be sure to lay on insulating material under it in order to prevent shorting.
3. P.W. boards and wires should not be pulled forcibly, but be handled carefully.
4. Printed boards and connectors should be handled with care-aviod handling them forcibly !
5. When handling the P-P.W. board and K-P.W. board with the power ON, there is a risk of an Electric shock if you use the COLD side heat sink while working on the HOT side of the chassis.

CIRCUIT BOARD LAYOUT



DISASSEMBLY FLOWCHART

This flowchart indicates disassembly items of the cabinet parts and circuit boards in order to find the items necessary for servicing. When reassembling, perform the steps in the reverse order.


Start
1. Removal of Front Panel Cover
2. Removal of Top Case
5. Removal of J-P.W. Board
3. Removal of A & D-P.W. Boards
4. Removal of F-P.W. Board
6. Removal of Ballast Unit
7. Removal of Optical Block Unit
8. Removal of P & K-P.W. Boards

1. Removal of Front Panel Cover

1. Remove 3 screws (A), and carefully pull out the Front Panel Cover toward you.

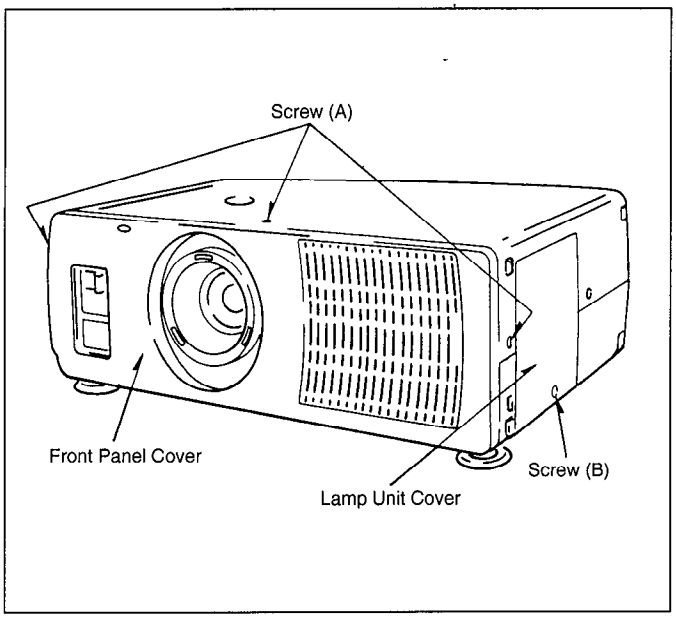


Fig. 1

2. Removal of Top Case

1. Remove the Front Panel Cover.
2. Loosen a screw (B), and remove the Lamp Unit Cover.
3. Remove 3 screws (C) and 2 screws (D), then disconnect 2 connectors (A15 and A21) on the A-P.W. Board.
4. Remove the Top Case.

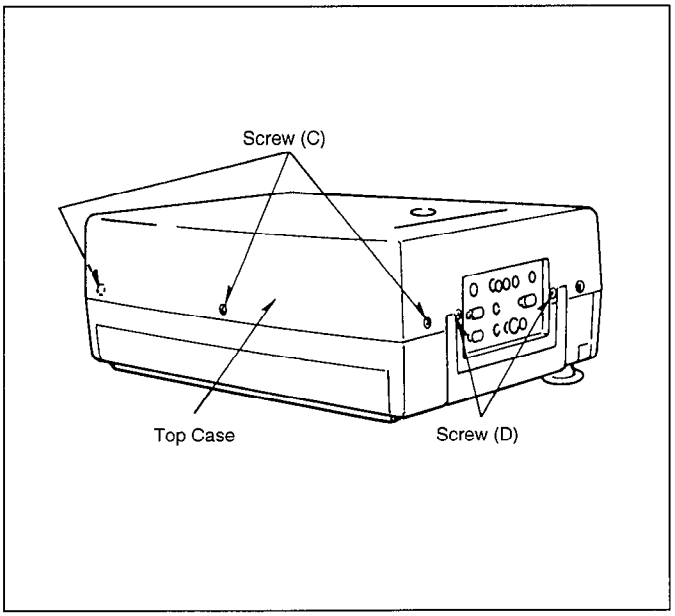


Fig. 2

Note:

(1) Install the Lamp Unit Cover when starting the projector.

(2) The projector starts with the S-P.W. Board removed, but be sure to connect 2 connectors (A15 and A21) when check-ing Speaker and Operation Panel.

3. Removal of A-P.W. Board and D-P.W. Board

1. Take off 2 screws (E), then remove soldering (F) on two places.
2. Remove the shield cover.
3. Disconnect each connector, remove the D-P.W. Board.

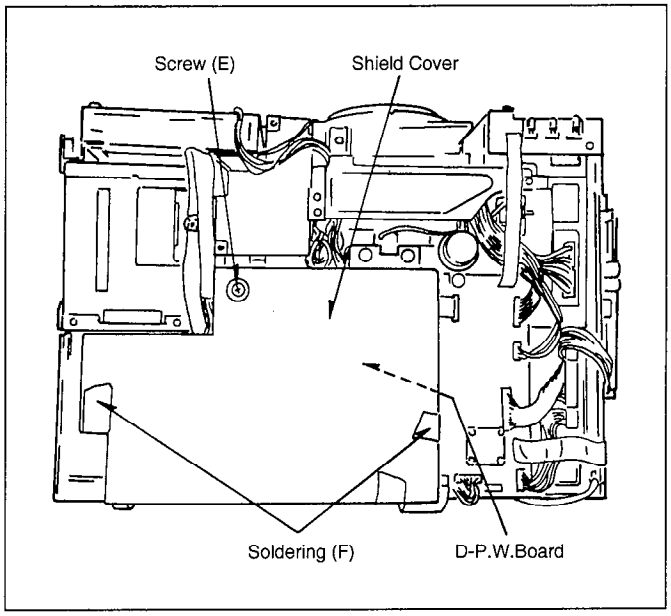


Fig. 3

4. Remove 5 screws (G).

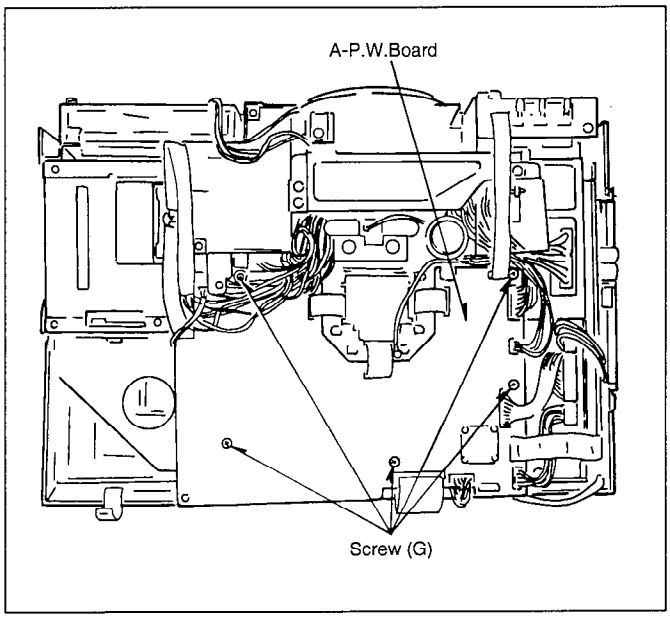


Fig. 4

5. Disconnect each connector, remove the A-P.W. Board.

4. Removal of F-P.W. Board

1. Remove a screw (H).
2. Disconnect each connector, remove the F-P.W. Board.

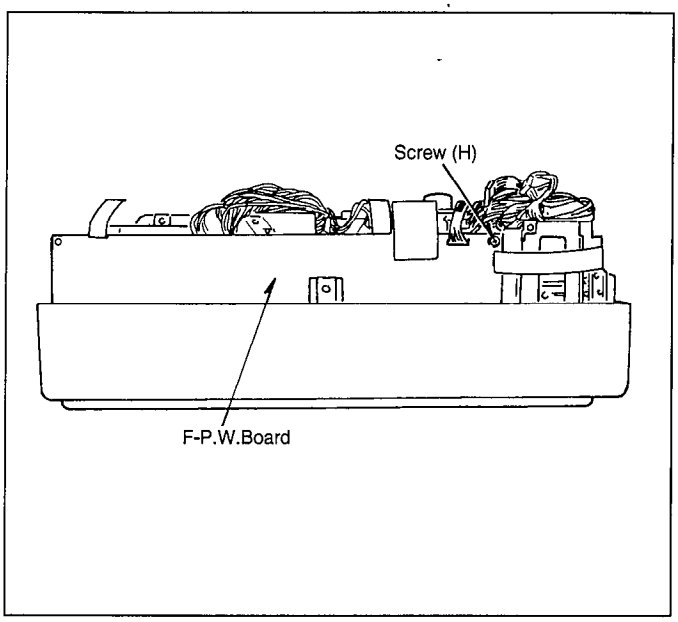


Fig. 5

Note:

Insert the F-P.W. Board into the slot of the Bottom Case to secure the board.

5. Removal of J-P.W. Board

1. Remove 2 screws (I).
2. Disconnect each connector, remove the J-P.W. Board.

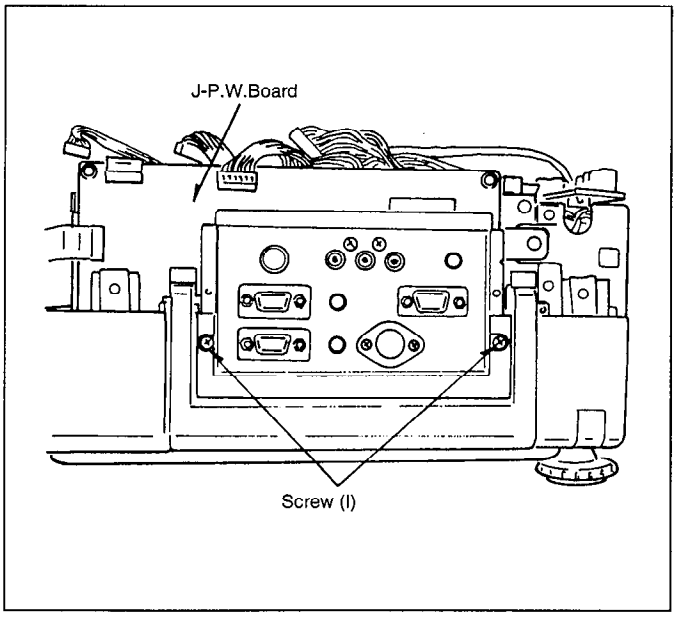


Fig. 6

6. Removal of Ballast Unit

1. Remove 4 screws (J), and remove the earth joint Angleiron.
2. Remove 2 screws (K), and remove the cooling duct.
3. Disconnect 2 connectors on the Bimetal.

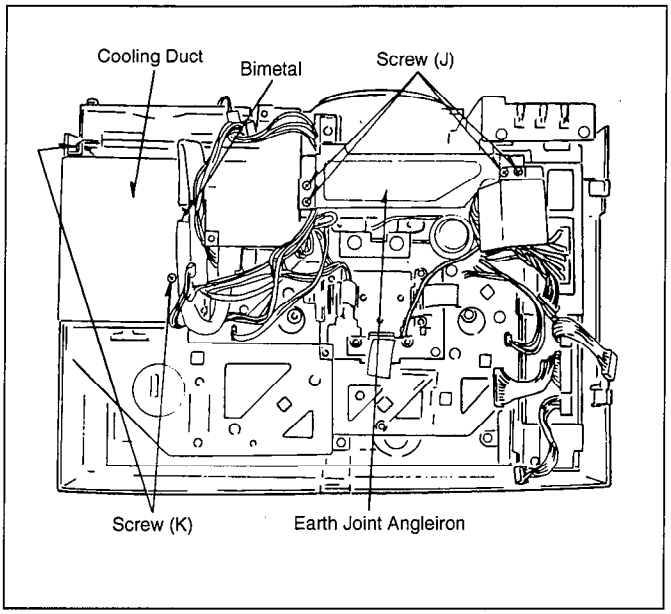


Fig. 7

4. Remove 2 screws (L) , and remove the lamp socket.
5. Remove 3 screws (M).
6. Disconnect each connector on the Ballast Unit, and carefully pull out the Ballast Unit toward upper.

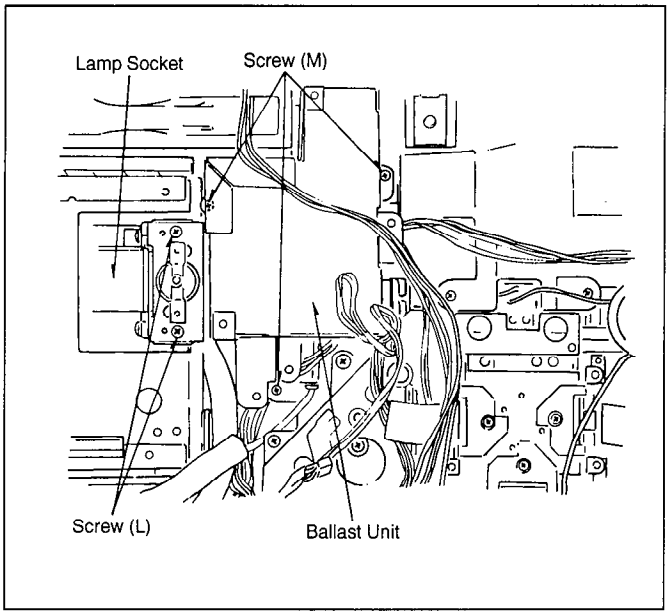


Fig. 8

7. Removal of Optical Block Unit

1. Remove 4 screws (N), and remove the lamp box unit with the lamp fan.
2. Remove 4 screws (O) and 2 screws (P), and carefully pull out the Optical Block Unit.

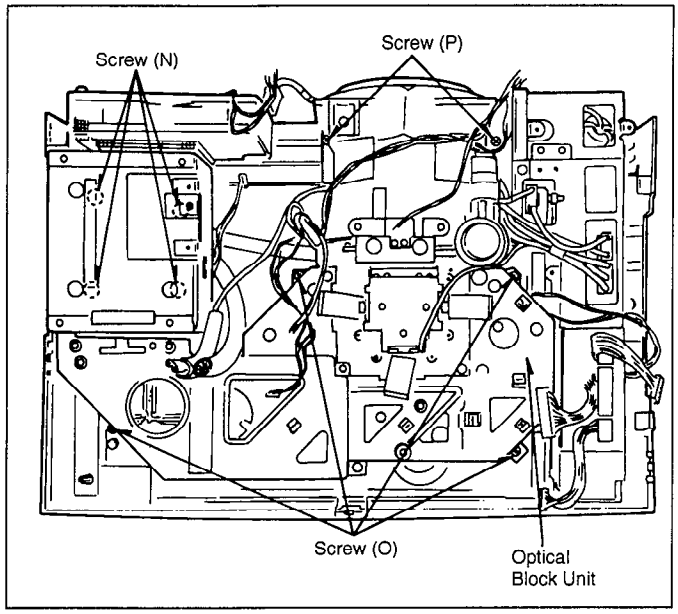


Fig. 9

8. Removal of P-P.W. Board and K-P.W. Board

1. Remove 4 screws (Q).
2. Disconnect each connector, and remove the power supply unit.

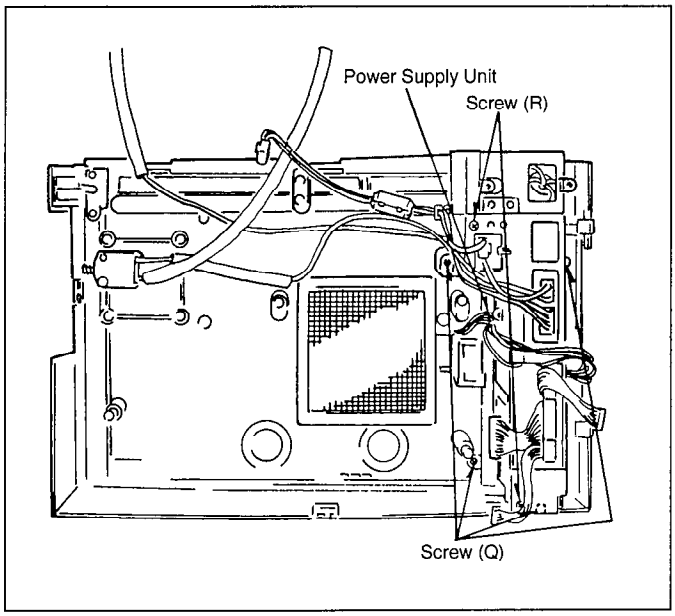


Fig. 10

3. Remove 2 screws (R), and disconnect a connector (K2) on the K-P.W. Board.
4. Remove 4 screws (S), and remove the K-P.W. Board.

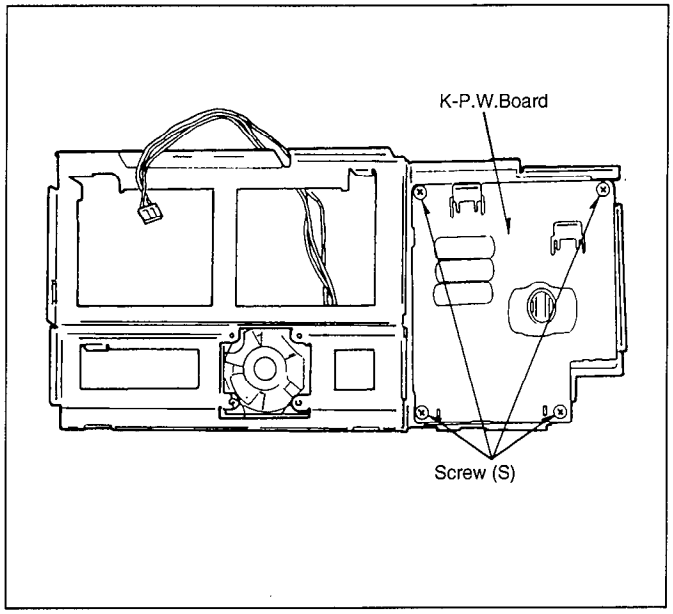


Fig. 11

5. Remove 2 screws (T) and 3 spacer (U).
6. Disconnect each connector, and remove the P-P.W. Board.

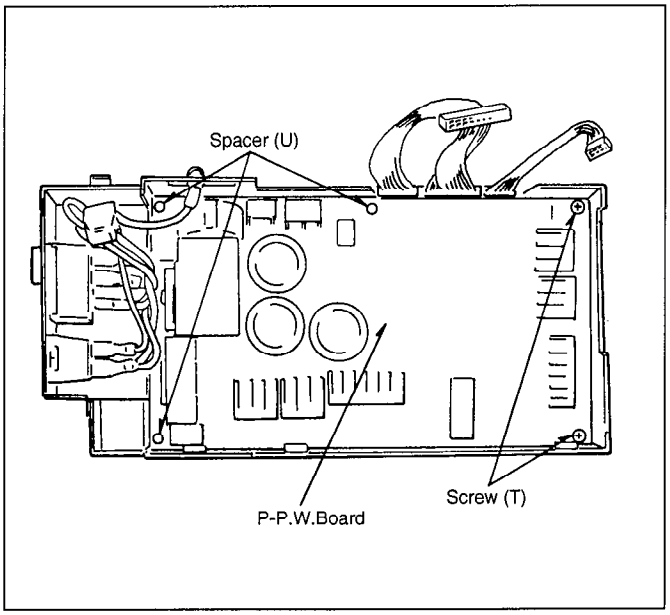


Fig. 12

■Disassembly of Ballast Unit

1. Remove 2 screws (a), and remove the Ballast unit case cover.

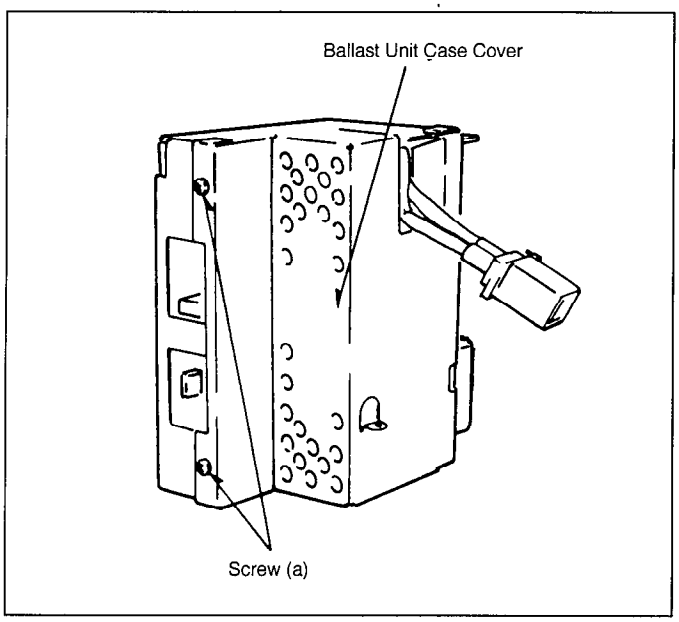


Fig. 13

2. Remove a screw (b).
3. Cut off 3 spacers (c) from back of this unit case, and remove the Ballast Board.

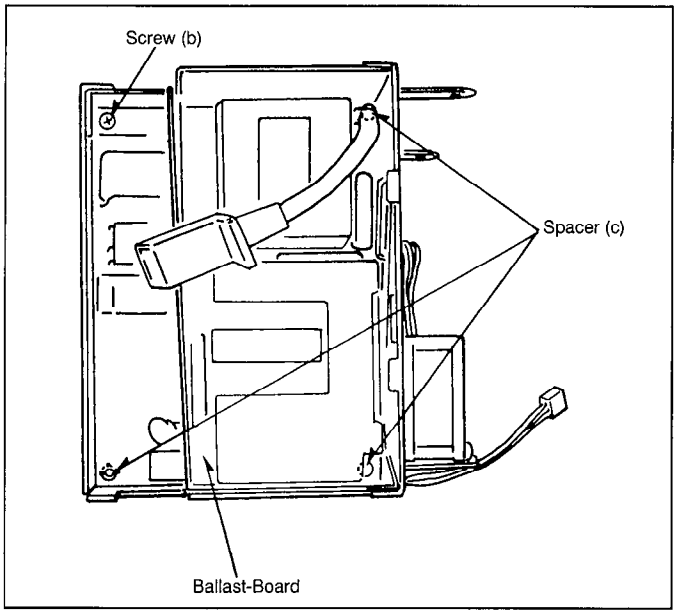


Fig. 14

■Disassembly of Optical Block Unit

1. Remove 4 screws (d), and remove the Lens Dust Cover.

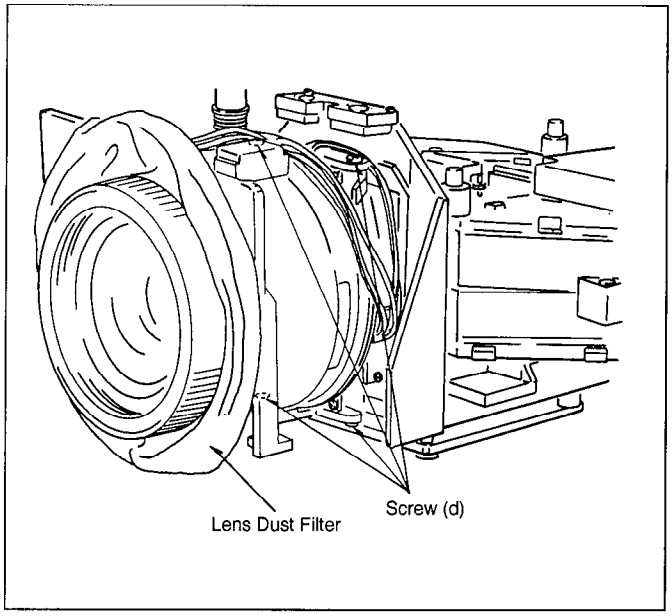


Fig. 15

2. Remove 4 Hex screw (e), and remove the Lens Unit.

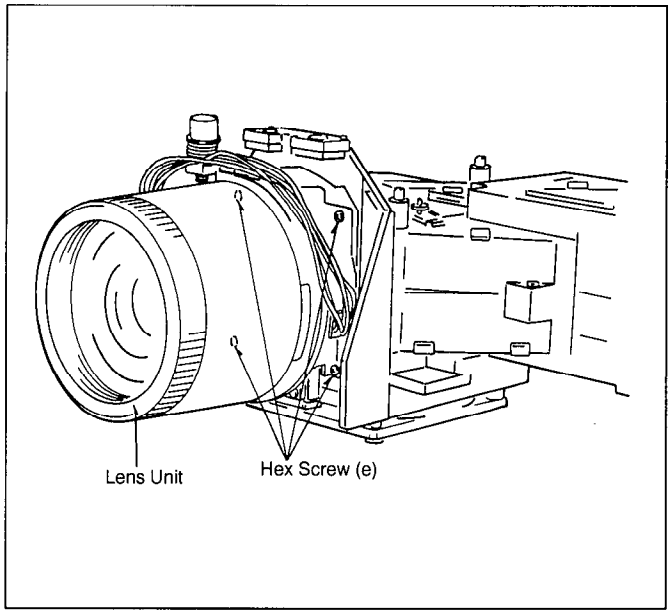


Fig. 16

■Removal of LCD Unit

- Remove 3 screws (f), and remove LCD Unit (RED).
- Remove 3 screws (g), and remove LCD Unit (GREEN).
- Remove 3 screws (h), and remove LCD Unit (BLUE).

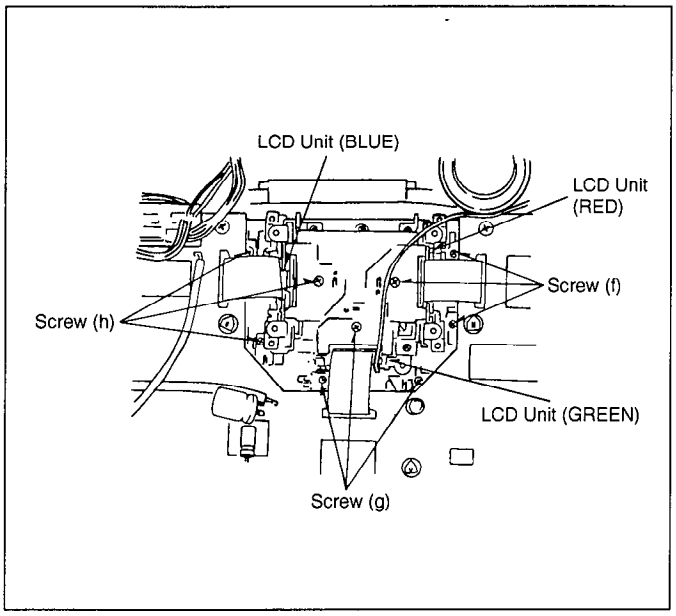


Fig. 17

ATTENTION:

ADJUSTMENT PROCEDURE should be performed after exchanging the LCD Unit (LCD PANEL).

■Extension cables

- Use the extension cable when each P.W. Board is checked because there is insufficient space to troubleshoot the board.
- Necessary extension cables are as following table.

Ref. No.	Kind of extension cables	Part No.	Kit No.
Ⓐ	5 Pin	TXJA08VHF6	TZCK3NVHF6
Ⓑ	12 Pin	TXJA10VHF6	
Ⓒ	6 Pin	TXJJ01VHF6	
Ⓓ	2 Pin	TXJP01VHF6	
Ⓔ	P2: 5 Pin/B1: 4 Pin	TXJB01VHF6	
Ⓕ	3 Pin	TXJB02VHF6	

- Connect each P.W. Board by extension cables as shown.

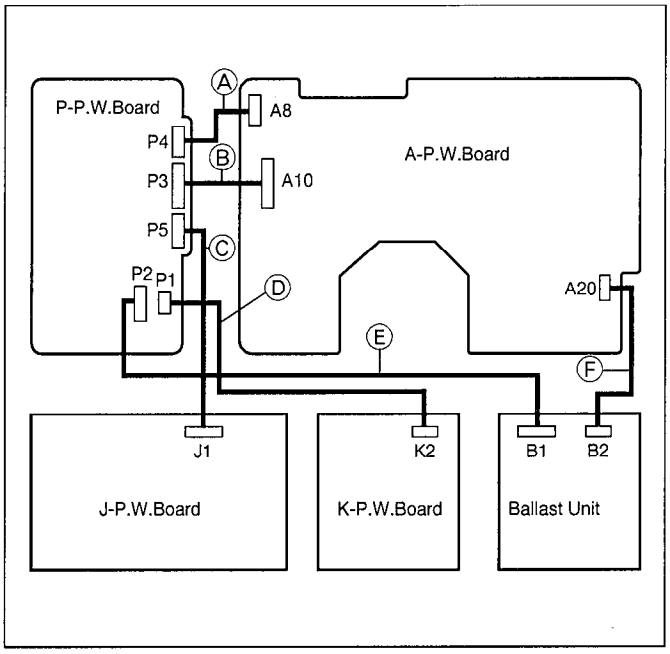
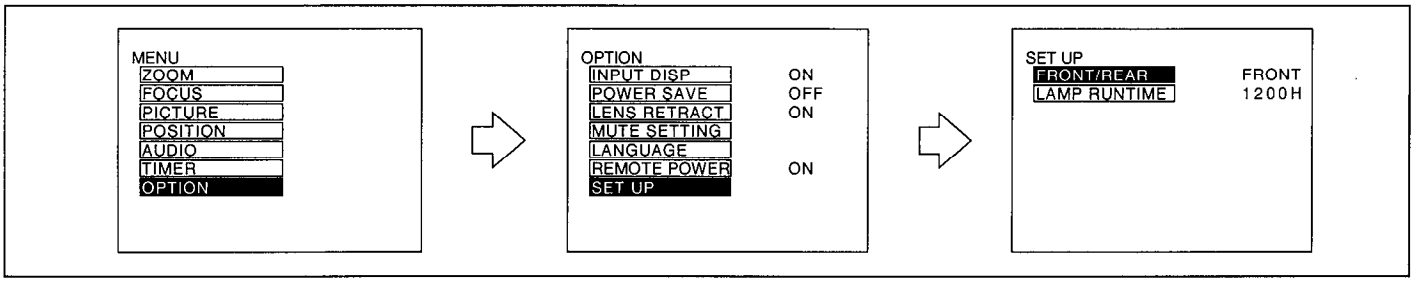


Fig. 18

SELF-DIAGNOSIS FUNCTION

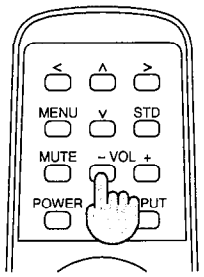
■Switching Procedure to the Self-Diagnosis Mode

1. Press the MENU button to display the MENU screen.
2. Press the "Λ" and "V" buttons to select "OPTION".
3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "Λ" and "V" buttons to select "SET UP".
5. Press the "<" and ">" buttons to display the SET UP screen.
6. Press the "Λ" and "V" buttons to select "FRONT/REAR".

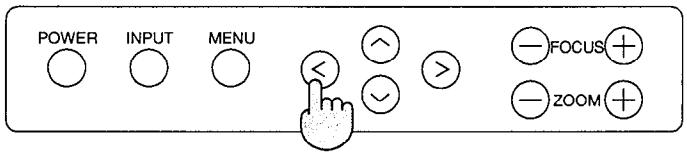


7. Keep the "VOL –" button of the remote control pressed and press the Arrow "<" button on the main unit for at least 3 sec.

Remote Control Unit



Projector control panel



■Self-Diagnosis (Self-Check) Screen and Error Locations

Self-Diagnosis (Self-Check) Screen				
SELF CHECK				
LAMP TIME	0000H		Total On Time for Optical Lamp.	Check I²C Bus Communication (A-P.W. Board)
IC1	OK		Video Processor IC (IC1009)	
IC2	OK		E²PROM (IC7001)	
IC3	OK		DAC1 (IC7010)	
IC4	OK		DAC2 (IC7011)	
IC5	OK		DAC3 (IC7015)	
IC6	OK		DAC4 (IC7016)	
LAMP	OK		Optical Lamp Error	Reason Lamp Does Not Turn On
TEMP	OK		Temperature Error	
2800H	OK		Excess Cumulative On Time for Optical Lamp	
FAN	OK		Cooling Fan Stopped (one of the Three fans)	
SUM	OK		Program Error in Microcomputer (IC7000)	A-P.W. Board

■Results of Self-Check

- When the unit enters Self-Check the above screen appears, allowing the user to identify the location of the error.

[OK]..... Normal, [--]..... Error

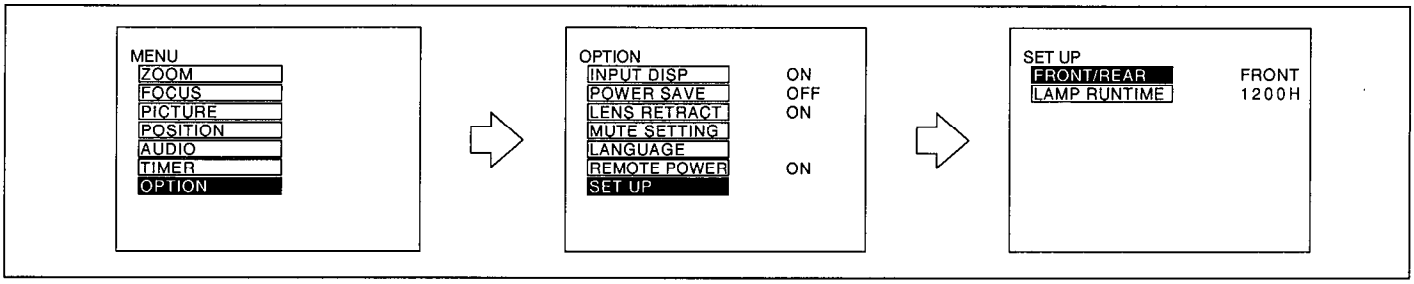
■Canceling

- The Self-Check screen can be canceled by pressing the "MENU" button on the main unit or the remote control unit.

Service Mode Functions

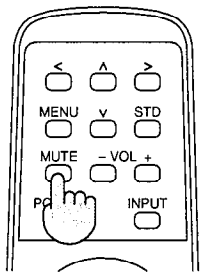
■Procedure to enter Service Mode

1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "OPTION".
3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "∧" and "∨" buttons to select "SET UP".
5. Press the "<" and ">" buttons to display the SET UP screen.
6. Press the "∧" and "∨" buttons to select "FRONT/REAR".

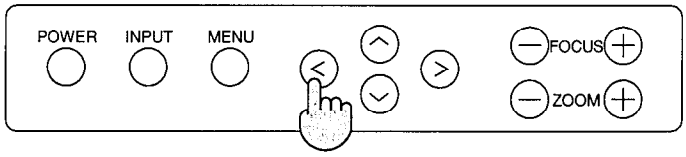


7. Keep the "MUTE" button of the remote control pressed and press the Arrow "<" button on the main unit for at least 3 sec.

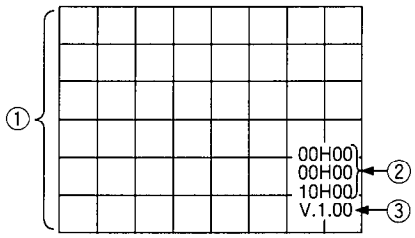
Remote Control Unit



Projector control panel



■Service Mode Image



① **Crosshatch Pattern Display**
The crosshatch pattern display is used for the convergence adjustment. The color changes (into 7 colors) with each press of the '<' button on the main body's control panel.

② **Display of Lighting Time of Replaced Lamps**
Displays the cumulative hours of replaced lamps in the past.

③ **Microcomputer Version Display**
Displays the version number of the microcomputer used for this machine.

■Canceling

- Service Mode functions can be canceled by pressing the "MENU" button on the main unit.

Measurements and Adjustments

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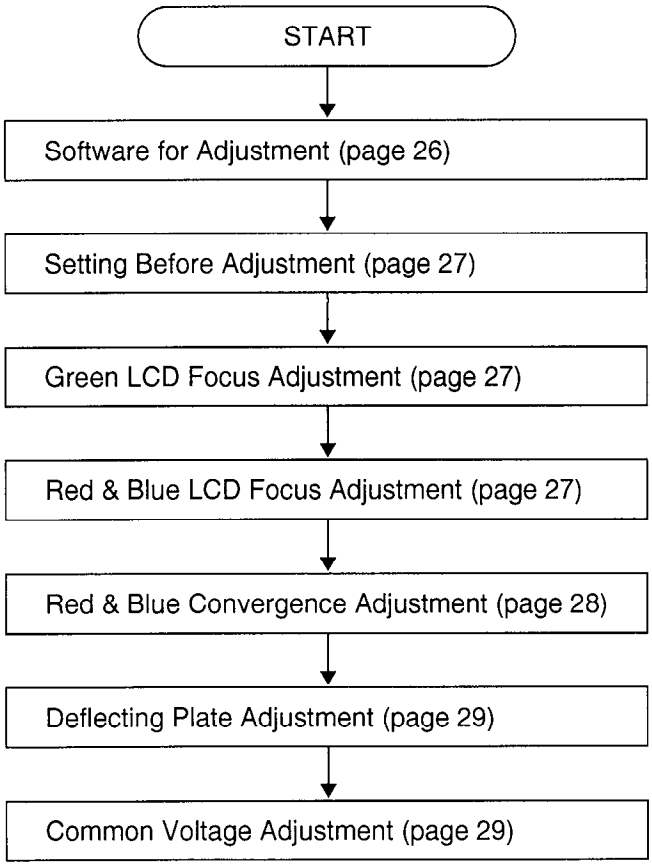
CAUTION FOR SERVICING 26
ADJUSTMENT PROCEDURE 26
CHECKING POINT PROCEDURE 31

ADJUSTMENT PROCEDURE FLOWCHART


START
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Setting Before Adjustment (page 27)
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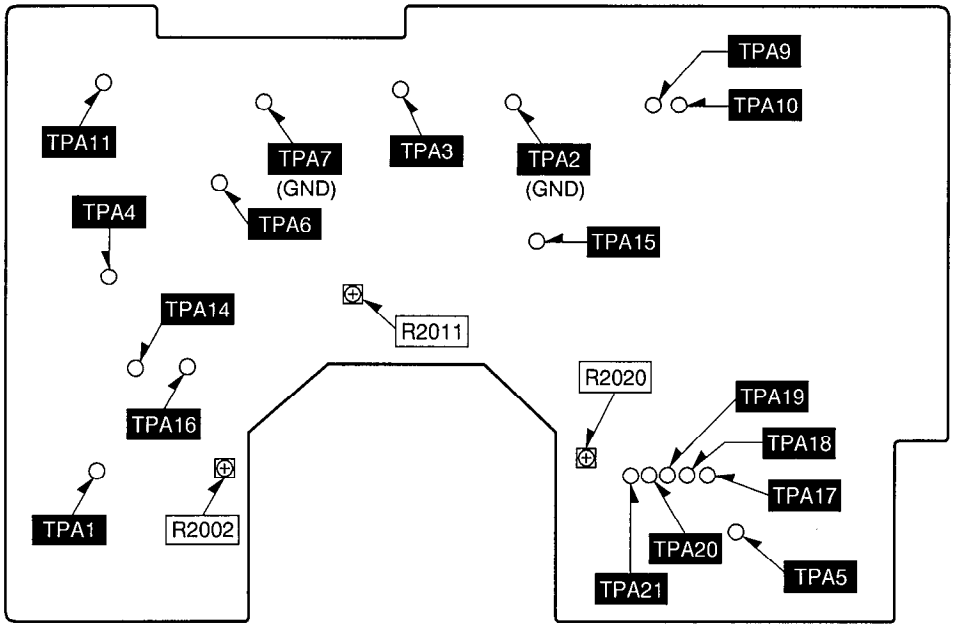
Common Voltage Adjustment (page 29)

LOCATION OF TEST POINTS and CONTROLS

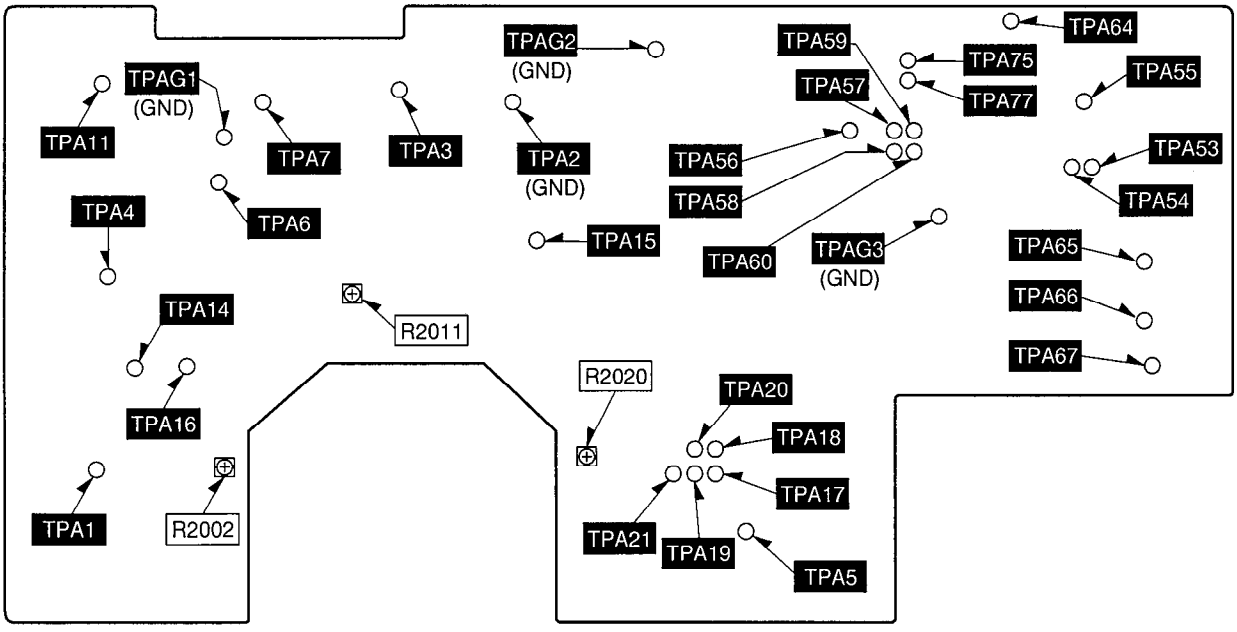
● PT-L592E/EG/EA

A-P.W. Board (Component Side)



● PT-L392E/EG/EA

A-P.W. Board (Component Side)



CAUTION FOR SERVICING

■ Cautions for Servicing

- Do not turn off the Main Power Switch until the fan has completely stopped.
- To maintain and insure safety, always use designated components for replacement parts. Further, if you have removed any clamps, leads or connectors, always place them back in their proper locations.
  Be careful not to damage the leads or parts when using a soldering iron or similar tool.

■ Lamp Unit

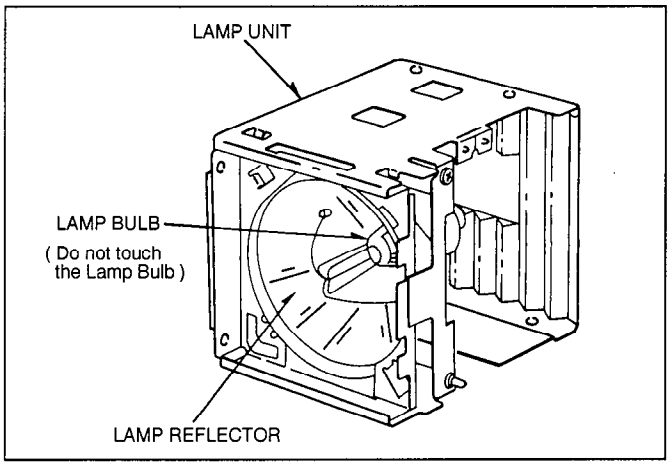


Fig. 1

- Do not use too much force on the Lamp Reflector or the Lamp Bulb, or subject them to unnecessary shocks, since they are both made of glass.
  Be particularly careful when handling the Lamp Bulb as the area around the attachment section is easily broken.
- Do not touch the Lamp Bulb, since any scratches or soiling on the bulb may cause the Lamp Bulb to break when it turns on.
- If the Lamp Reflector is Soiled.
  Clean by wiping the surface gently with a soft and dry cloth.
- Always wear protective goggles when looking at the light from the Lamp Unit.

ADJUSTMENT PROCEDURE

■ Software for Adjustment

- Computer-aided adjustment should be made to this projector.
  Call Customer Service Department for details of the adjusting software when ADJUSTMENT PROCEDURE becomes necessary.
- Read instructions of the manual attached to the software and install it only as directed.
- Start ADJUSTMENT PROCEDURE after connecting an RGB signal cable between computer and projector as shown in the following figure. (Do not make a connection when adjusting polarizing plate.)

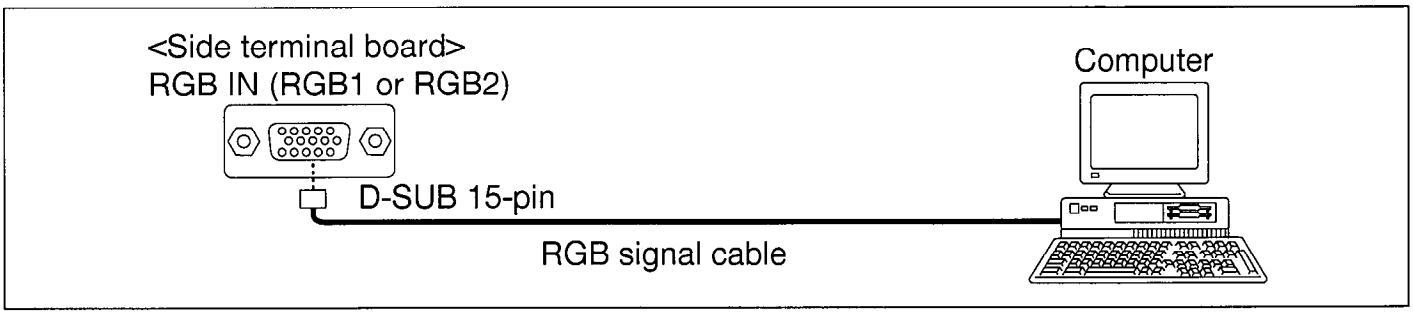


Fig. 2

■Settings Before Adjustment

1. Press the ZOOM (+) buttons on the operation panel on the top of the projector to adjust the largest size of the picture.
2. Locate the projector at a place so that 1 meter projection distance will be maintained.
3. Turn the focus ring leftward fully when viewed from the front side of the projector, and ensure that 30" -wide projected image is obtained.

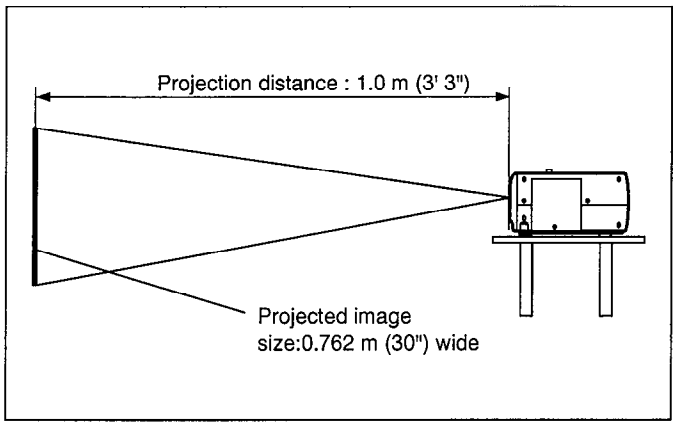


Fig. 2

■Green LCD Focus Adjustment

1. **EQUIPMENT TO BE USED**
   Computer (adjusting software preinstalled computer)
2. **INITIAL CONDITION**
   PICTURE SIZE ..... 0.762 m (30") wide
3. **ADJUSTMENT**
   1. Input Green Single dot pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
   2. Adjust the Focus ring so that the entire image on the screen is displayed in balance.
   3. Loosen 3 screws (B).
   4. Handle the LCD Unit (Green) to obtain correct focus of the screen both vertically and laterally.
   5. Tighten 3 screws (B).

   ATTENTION: Never handle the focus ring after completion of the Green LCD Focus Adjustment till when any other adjusting operation is finished.

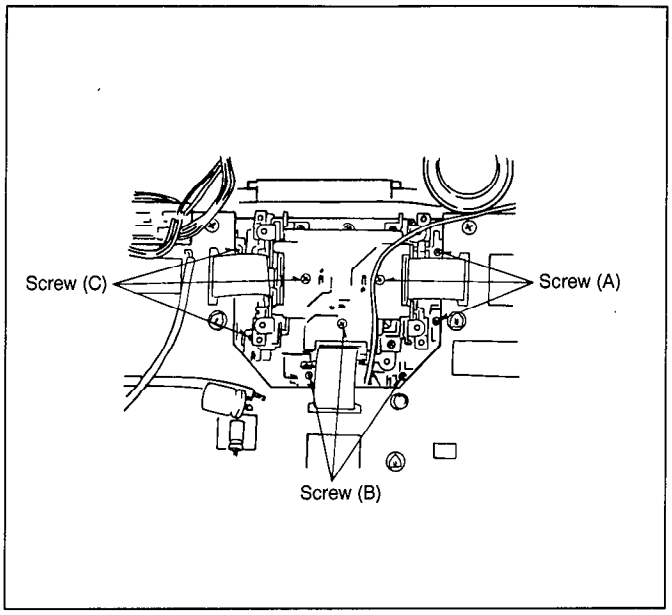


Fig. 3

■Red & Blue LCD Focus Adjustment

1. **EQUIPMENT TO BE USED**
   Computer (adjusting software preinstalled computer)
2. **INITIAL CONDITION**
   PICTURE SIZE ..... 0.762 m (30") wide
3. **ADJUSTMENT**
   1. This adjustment should be made after performing Green LCD Focus Adjustment.

   <Red LCD Focus Adj.>
   2. Input Red Single dot pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
   3. Loosen 3 screws (A). (See Fig. 3)
   4. Handle the LCD Unit (Red) to obtain correct focus of the screen both vertically and laterally.
   5. Tighten 3 screws (A).
   6. Always perform the Red & Blue Convergence Adjustment.

   <Blue LCD Focus Adj.>
   7. Input Blue Single dot pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
   8. Loosen 3 screws (C). (See Fig. 3)
   9. Handle the LCD Unit (Blue) to obtain correct focus of the screen both vertically and laterally.
   10. Tighten 3 screws (C).
   11. Always perform the Red & Blue Convergence Adjustment.

■ Red & Blue Convergence Adjustment

1. **EQUIPMENT TO BE USED**
   Computer (adjusting software preinstalled computer)
2. **INITIAL CONDITION**
   PICTURE SIZE ..... 0.762 m (30") wide
3. **ADJUSTMENT**
   1. This adjustment should be made after performing both the Green LCD Focus Adjustment and the Red & Blue LCD Focus Adjustment, in order to bring the Red & Blue images into convergence, based on the standard for the Green image.

   <Red Convergence Adj.>

   2. Input Red & Green crosshatch pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
   3. Turn 3 hexagonal adjusting screws (Rc_1, Rc_2 and Rc_3) for the Red & Green crosshatch pattern image to obtain correct position by referring Table 1.

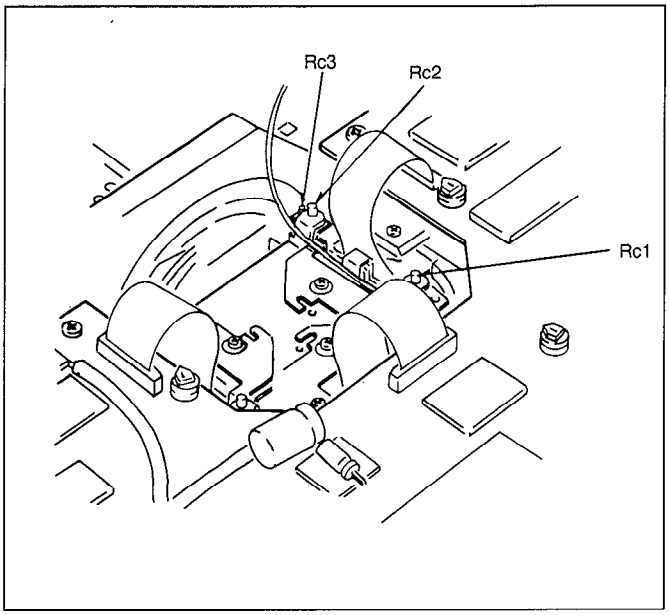


Fig. 4

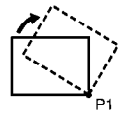
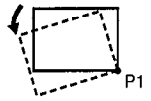
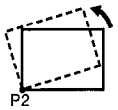
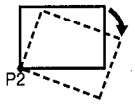
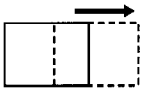
Hexagonal Adjusting Screw	Rotation	Response of Screen	Image
Rc_1, Bc_1	Clockwise	Screen rotates clockwise around P1 in the lower right corner of the screen.	
	Counterclockwise	Screen rotates counterclockwise around P1 in the lower right corner of the screen.	
Rc_2, Bc_2	Clockwise	Screen rotates counterclockwise around P2 in the lower left corner of the screen.	
	Counterclockwise	Screen rotates clockwise around P2 in the lower left corner of the screen.	
Rc_3, Bc_3	Clockwise	The entire screen moves to the left.	
	Counterclockwise	The entire screen moves to the right.	

Table 1

<Blue Convergence Adj.>

4. Input Blue & Green crosshatch pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
5. Turn 3 hexagonal adjusting screws (Bc_1, Bc_2 and Bc_3) for the Blue & Green crosshatch pattern image to obtain correct position by referring Table 1.

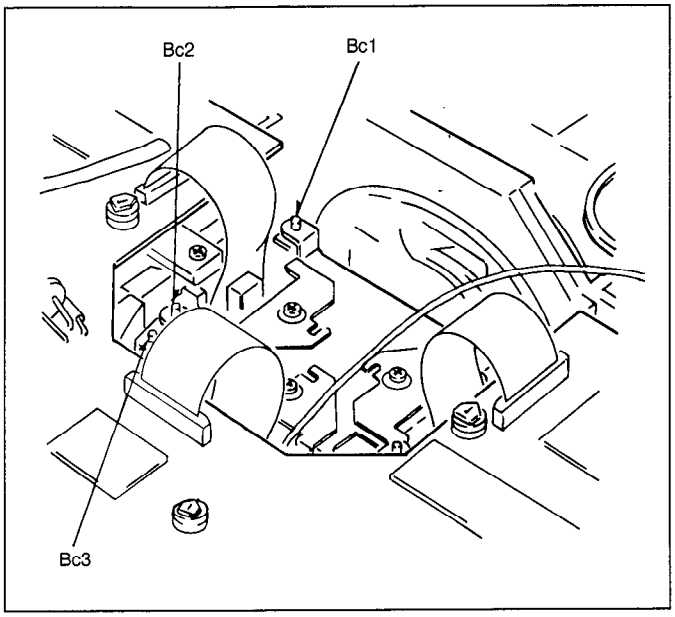


Fig. 5

6. Input the crosshatch pattern image into RGB IN.
7. Confirm that the Red & Blue crosshatch pattern aligns exactly with the Green crosshatch pattern.
8. Repeat steps 2–7 if there is any distortion.

■ Deflecting Plate Adjustment

1. **EQUIPMENT TO BE USED**
   Epoxide Resin Adhesive
2. **INITIAL CONDITION**
   BACK COLOR ..... BLACK
3. **ADJUSTMENT**
   1. Nothing should be connected to the input terminal when performing this adjustment.

   <Red Deflecting Plate Adj.>

   2. Loosen a screw (Rd).

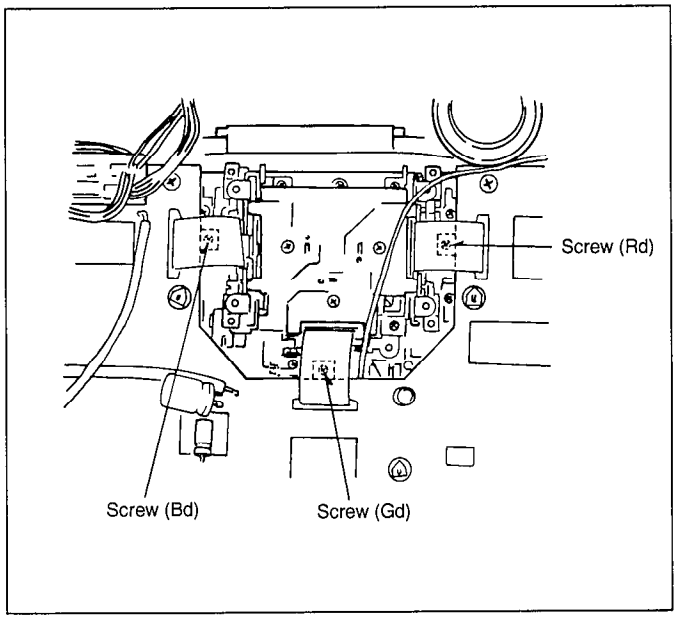


Fig. 6

3. Move the screw (Rd) from side to side to lower black color on the screen as much as possible.
4. Tighten a screw (Rd).
5. Apply adhesive to the screw (Rd) and fix it firmly.

<Green Deflecting Plate Adj.>

6. Loosen a screw (Gd). (See Fig. 6)
7. Move the screw (Gd) from side to side to lower black color on the screen as much as possible.
8. Tighten a screw (Gd).
9. Apply adhesive to the screw (Gd) and fix it firmly.

<Blue Deflecting Plate Adj.>

10. Loosen a screw (Bd). (See Fig. 6)
11. Move the screw (Bd) from side to side to lower black color on the screen as much as possible.
12. Tighten a screw (Bd).
13. Apply adhesive to the screw (Bd) and fix it firmly.
14. Receive signals and check to see that extreme black floating and/or sinking is not observed upon completion of adjustment.

■ Common Voltage Adjustment

1. **EQUIPMENT TO BE USED**
   Computer (adjusting software preinstalled computer)
   Digital Voltmeter
   Two sheets of Black Papers (The size of the paper should be large enough to shield the light reaching the LCD Unit.)
2. **INITIAL CONDITION**
   PICTURE SIZE ..... 0.762 m (30") wide
3. **ADJUSTMENT**
   1. Input a pattern image marked with continuous alternating white and black stripes into RGB IN (RGB1 or RGB2) by running the adjusting software.

   <LCD Unit (Green) Adj.>

   2. Connect a digital voltmeter to 2 pin of R2011 and ground.

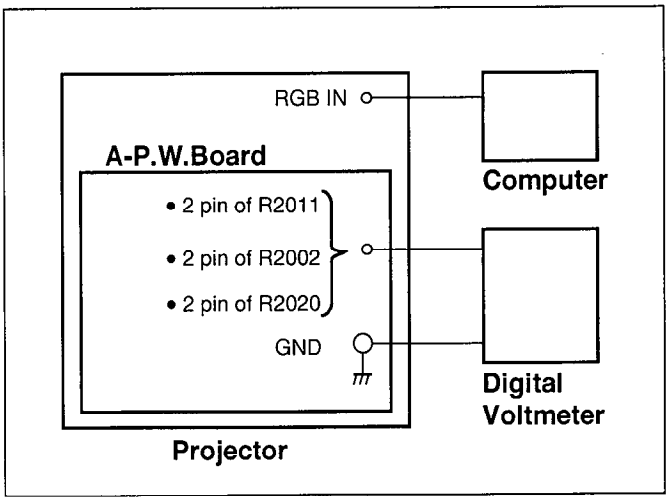


Fig. 7

3. Insert the black paper between Ⓐ and Ⓒ so that no light comes from any object other than LCD Unit (Green).

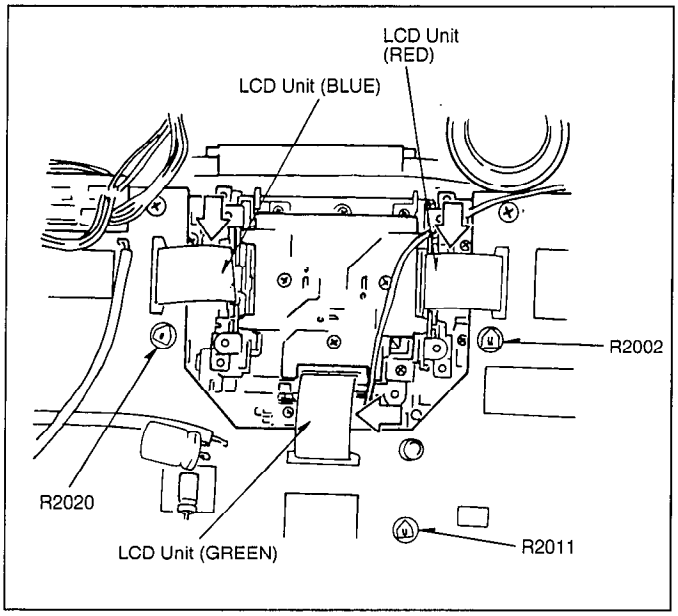


Fig. 8

4. Regulate R2011 to reduce luminance flicker as much as possible.
5. Ensure that the voltage of 2 pin of R2011 shows 4.9V approximately.
6. Regulate R2011 again when the reading shows a figure far from 4.9V.

<LCD Unit (Red) Adj.>

7. Connect a digital voltmeter to 2 pin of R2002 and ground. (See Fig. 7)
8. Insert the black paper between Ⓐ and Ⓑ so that no light comes from any object other than LCD Unit (Red). (See Fig. 8)
9. Regulate R2002 to reduce luminance flicker as much as possible.
10. Ensure that the voltage of 2 pin of R2002 shows 4.9V approximately.
11. Regulate R2002 again when the reading shows a figure far from 4.9V.

<LCD Unit (Blue) Adj.>

12. Connect a digital voltmeter to 2 pin of R2020 and ground. (See Fig. 7)
13. Insert the black paper between Ⓑ and Ⓒ so that no light comes from any object other than LCD Unit (Blue). (See Fig. 8)
14. Regulate R2020 to reduce luminance flicker as much as possible.
15. Ensure that the voltage of 2 pin of R2020 shows 4.9V approximately.
16. Regulate R2020 again when the reading shows a figure far from 4.9V.

MEMO:

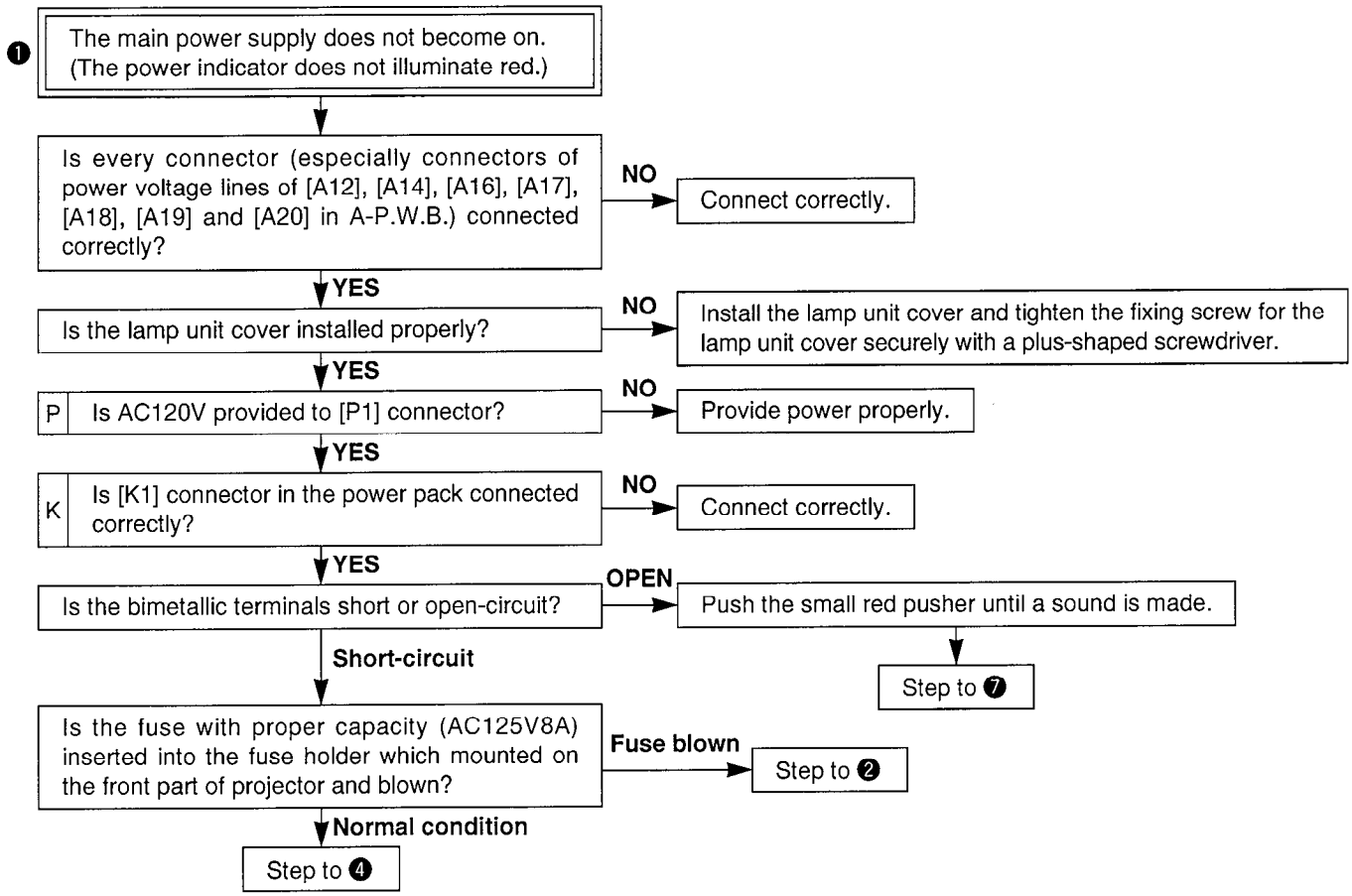
Checking Point Procedure

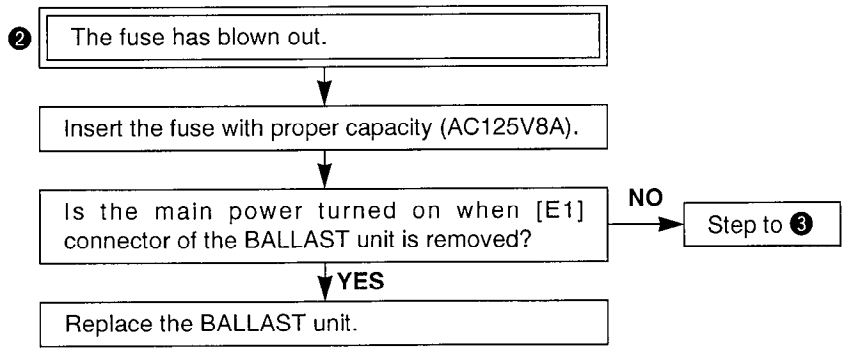
- The letters in front of the inspection outline items indicate the P.W. boards related to the respective item.

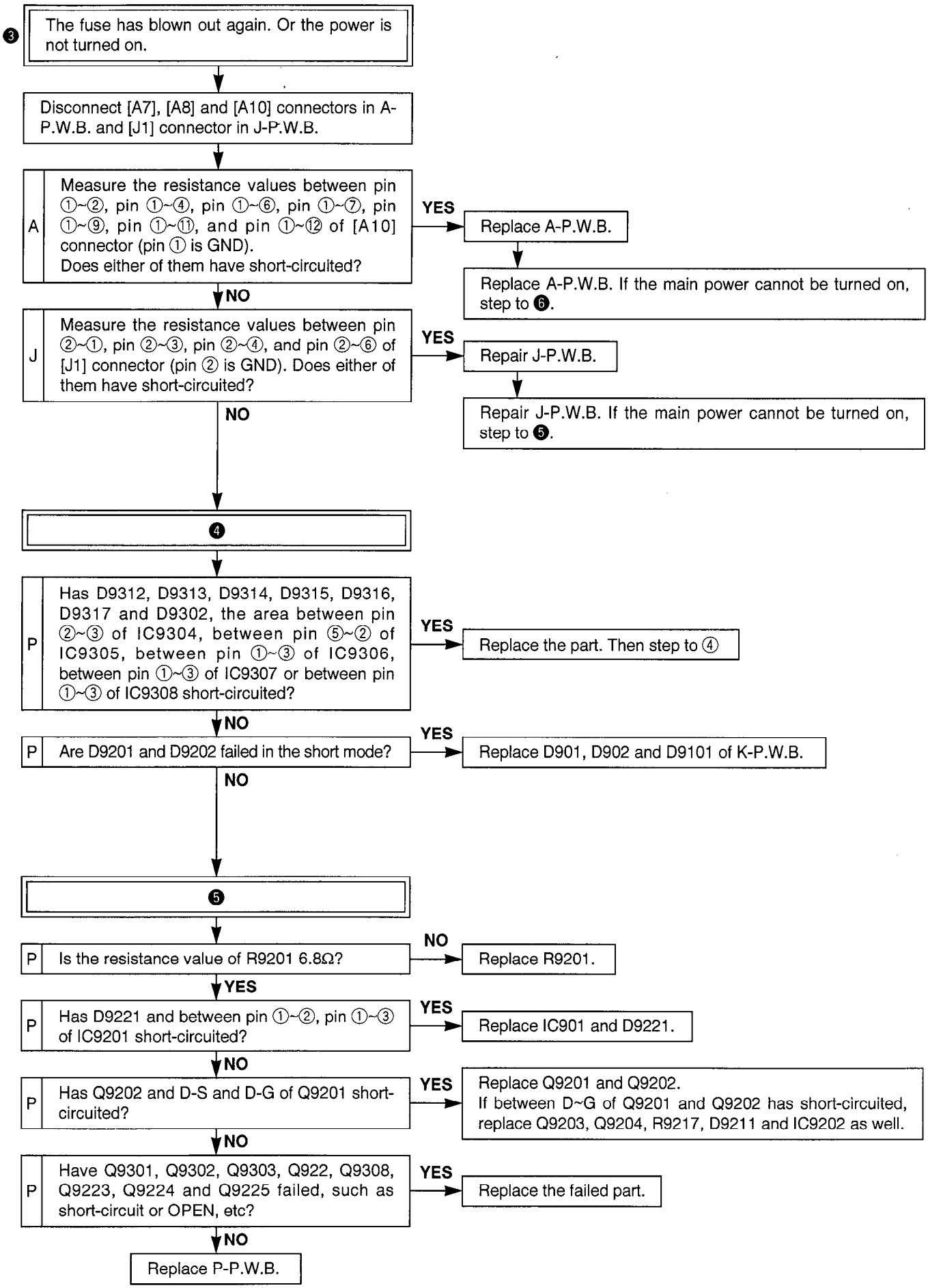
Note: [A]

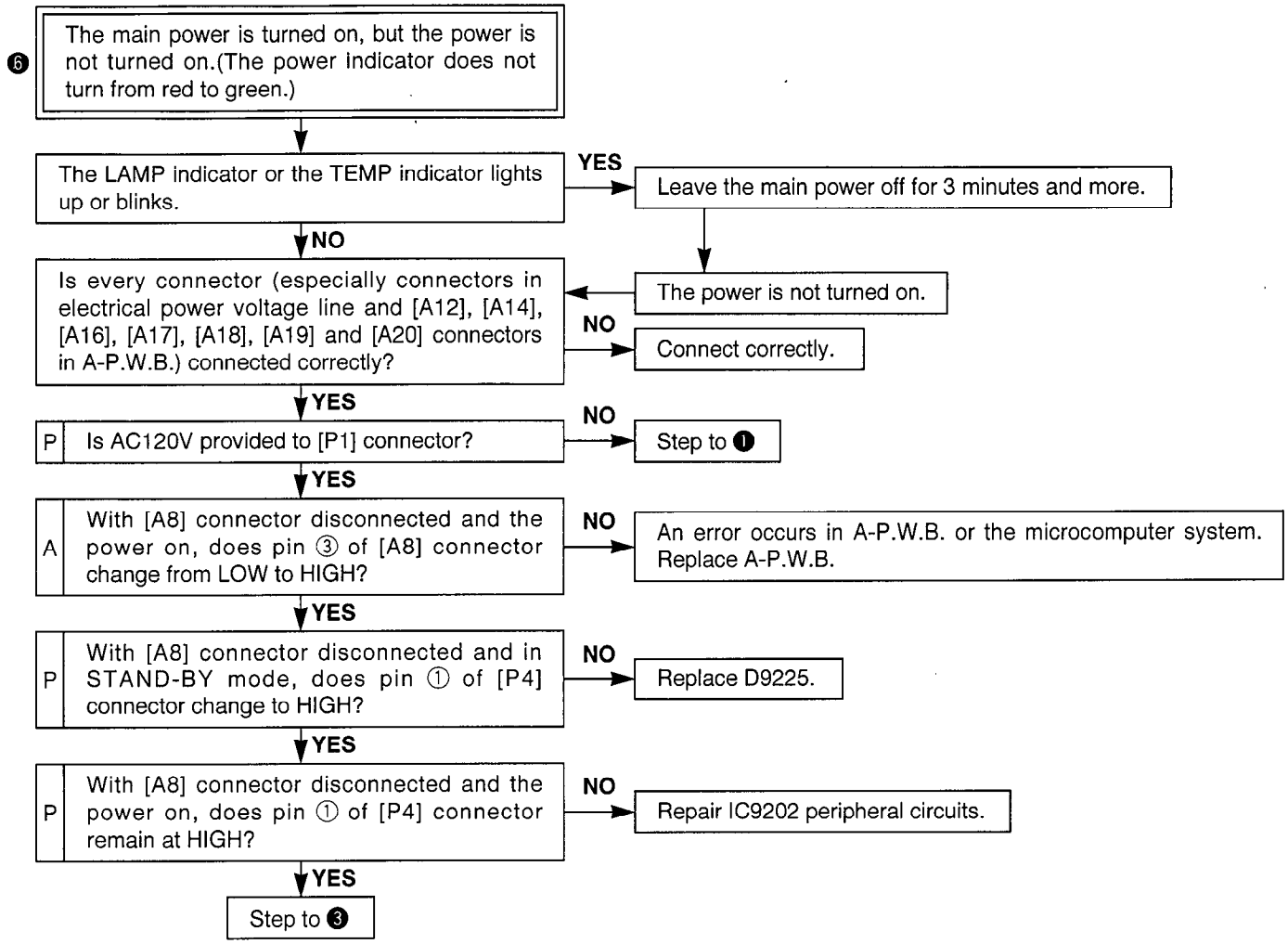
The Alphabet indicates the P.W. Board Name.

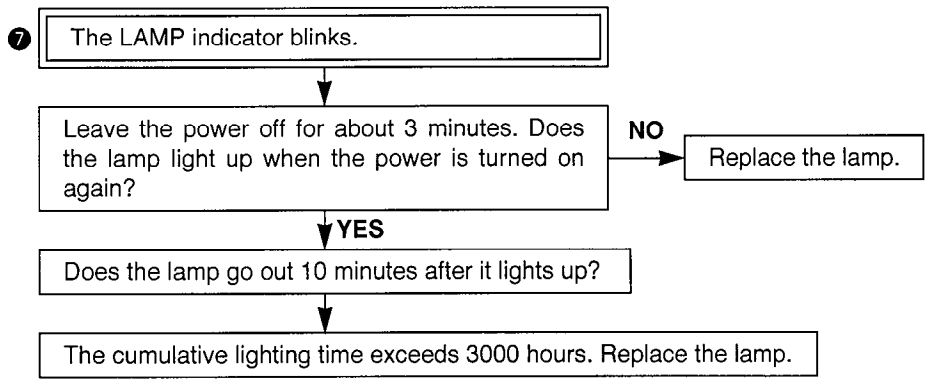
- If you replace the A-P.W. Board, first mount the IC7000 (microcomputer) onto the new board, and then install the board.

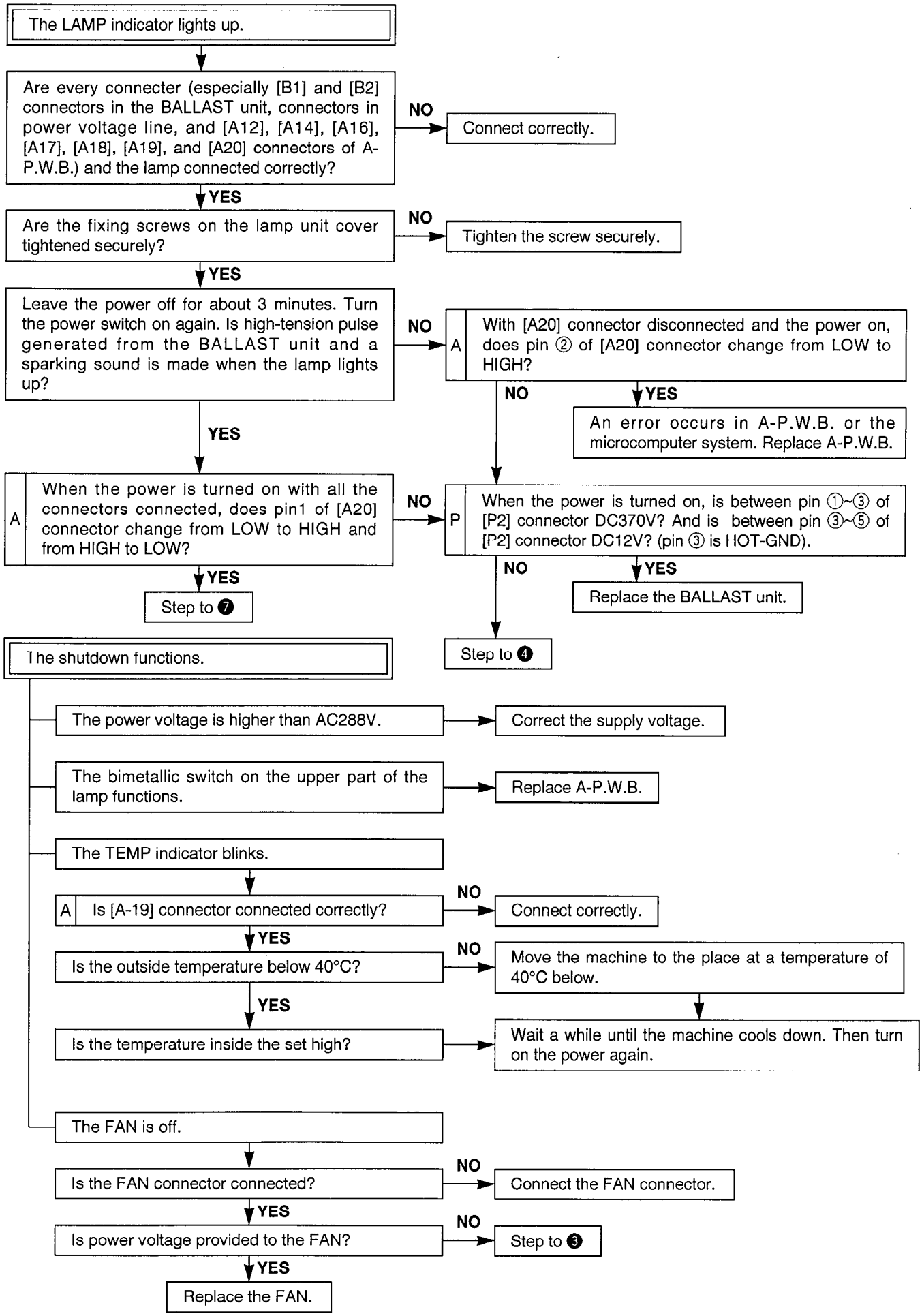

❶ The main power supply does not become on. (The power indicator does not illuminate red.)
Is every connector (especially connectors of power voltage lines of [A12], [A14], [A16], [A17], [A18], [A19] and [A20] in A-P.W.B.) connected correctly?
NO
Connect correctly.
YES
Is the lamp unit cover installed properly?
NO
Install the lamp unit cover and tighten the fixing screw for the lamp unit cover securely with a plus-shaped screwdriver.
YES
P Is AC120V provided to [P1] connector?
NO
Provide power properly.
YES
K Is [K1] connector in the power pack connected correctly?
NO
Connect correctly.
YES
Is the bimetallic terminals short or open-circuit?
OPEN
Push the small red pusher until a sound is made.
Step to ❼
Short-circuit
Is the fuse with proper capacity (AC125V8A) inserted into the fuse holder which mounted on the front part of projector and blown?
Fuse blown
Step to ❷
Normal condition
Step to ❹

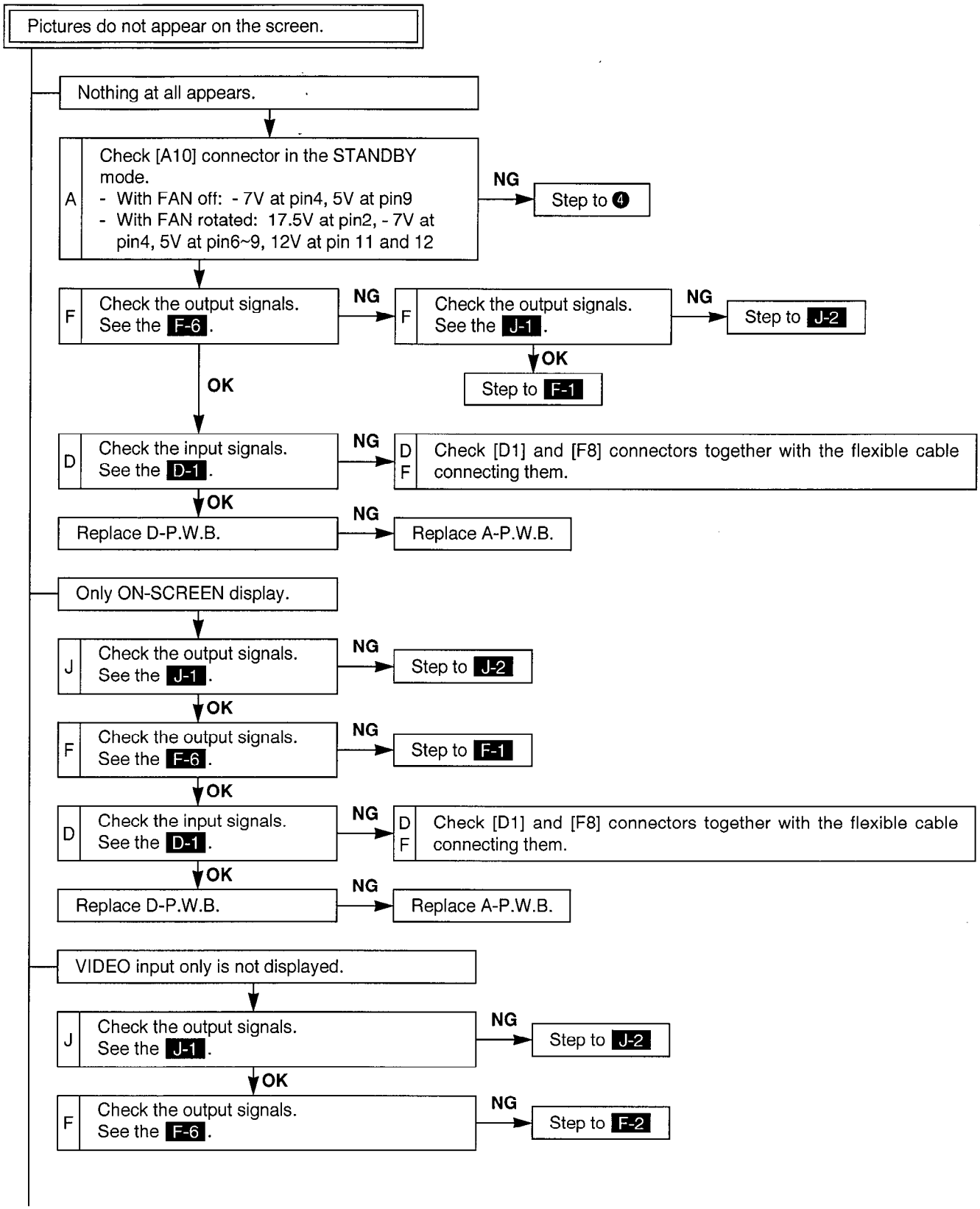

❷ The fuse has blown out.
Insert the fuse with proper capacity (AC125V8A).
Is the main power turned on when [E1] connector of the BALLAST unit is removed?
NO
Step to ❸
YES
Replace the BALLAST unit.


❸ The fuse has blown out again. Or the power is not turned on.
Disconnect [A7], [A8] and [A10] connectors in A-P.W.B. and [J1] connector in J-P.W.B.
A Measure the resistance values between pin ①~②, pin ①~④, pin ①~⑥, pin ①~⑦, pin ①~⑨, pin ①~⑪, and pin ①~⑫ of [A10] connector (pin ① is GND). Does either of them have short-circuited?
YES
Replace A-P.W.B.
Replace A-P.W.B. If the main power cannot be turned on, step to ❻.
NO
J Measure the resistance values between pin ②~①, pin ②~③, pin ②~④, and pin ②~⑥ of [J1] connector (pin ② is GND). Does either of them have short-circuited?
YES
Repair J-P.W.B.
Repair J-P.W.B. If the main power cannot be turned on, step to ❺.
NO
❹
P Has D9312, D9313, D9314, D9315, D9316, D9317 and D9302, the area between pin ②~③ of IC9304, between pin ⑤~② of IC9305, between pin ①~③ of IC9306, between pin ①~③ of IC9307 or between pin ①~③ of IC9308 short-circuited?
YES
Replace the part. Then step to ④
NO
P Are D9201 and D9202 failed in the short mode?
YES
Replace D901, D902 and D9101 of K-P.W.B.
NO
❺
P Is the resistance value of R9201 6.8Ω?
NO
Replace R9201.
YES
P Has D9221 and between pin ①~②, pin ①~③ of IC9201 short-circuited?
YES
Replace IC901 and D9221.
NO
P Has Q9202 and D-S and D-G of Q9201 short-circuited?
YES
Replace Q9201 and Q9202.
If between D~G of Q9201 and Q9202 has short-circuited, replace Q9203, Q9204, R9217, D9211 and IC9202 as well.
NO
P Have Q9301, Q9302, Q9303, Q922, Q9308, Q9223, Q9224 and Q9225 failed, such as short-circuit or OPEN, etc?
YES
Replace the failed part.
NO
Replace P-P.W.B.


❻
The main power is turned on, but the power is not turned on.(The power indicator does not turn from red to green.)
The LAMP indicator or the TEMP indicator lights up or blinks.
YES
Leave the main power off for 3 minutes and more.
NO
Is every connector (especially connectors in electrical power voltage line and [A12], [A14], [A16], [A17], [A18], [A19] and [A20] connectors in A-P.W.B.) connected correctly?
The power is not turned on.
NO
Connect correctly.
YES
P
Is AC120V provided to [P1] connector?
NO
Step to ❶
YES
A
With [A8] connector disconnected and the power on, does pin ③ of [A8] connector change from LOW to HIGH?
NO
An error occurs in A-P.W.B. or the microcomputer system. Replace A-P.W.B.
YES
P
With [A8] connector disconnected and in STAND-BY mode, does pin ① of [P4] connector change to HIGH?
NO
Replace D9225.
YES
P
With [A8] connector disconnected and the power on, does pin ① of [P4] connector remain at HIGH?
NO
Repair IC9202 peripheral circuits.
YES
Step to ❸


❼
The LAMP indicator blinks.
Leave the power off for about 3 minutes. Does the lamp light up when the power is turned on again?
NO
Replace the lamp.
YES
Does the lamp go out 10 minutes after it lights up?
The cumulative lighting time exceeds 3000 hours. Replace the lamp.


The LAMP indicator lights up.
Are every connecter (especially [B1] and [B2] connectors in the BALLAST unit, connectors in power voltage line, and [A12], [A14], [A16], [A17], [A18], [A19], and [A20] connectors of A-P.W.B.) and the lamp connected correctly?
NO
Connect correctly.
YES
Are the fixing screws on the lamp unit cover tightened securely?
NO
Tighten the screw securely.
YES
Leave the power off for about 3 minutes. Turn the power switch on again. Is high-tension pulse generated from the BALLAST unit and a sparking sound is made when the lamp lights up?
NO
A
With [A20] connector disconnected and the power on, does pin ② of [A20] connector change from LOW to HIGH?
NO
YES
An error occurs in A-P.W.B. or the microcomputer system. Replace A-P.W.B.
YES
A
When the power is turned on with all the connectors connected, does pin1 of [A20] connector change from LOW to HIGH and from HIGH to LOW?
NO
P
When the power is turned on, is between pin ①~③ of [P2] connector DC370V? And is between pin ③~⑤ of [P2] connector DC12V? (pin ③ is HOT-GND).
NO
YES
Replace the BALLAST unit.
YES
Step to ❼
Step to ❹
The shutdown functions.
The power voltage is higher than AC288V.
Correct the supply voltage.
The bimetallic switch on the upper part of the lamp functions.
Replace A-P.W.B.
The TEMP indicator blinks.
A
Is [A-19] connector connected correctly?
NO
Connect correctly.
YES
Is the outside temperature below 40°C?
NO
Move the machine to the place at a temperature of 40°C below.
YES
Is the temperature inside the set high?
Wait a while until the machine cools down. Then turn on the power again.
The FAN is off.
Is the FAN connector connected?
NO
Connect the FAN connector.
YES
Is power voltage provided to the FAN?
NO
Step to ❸
YES
Replace the FAN.



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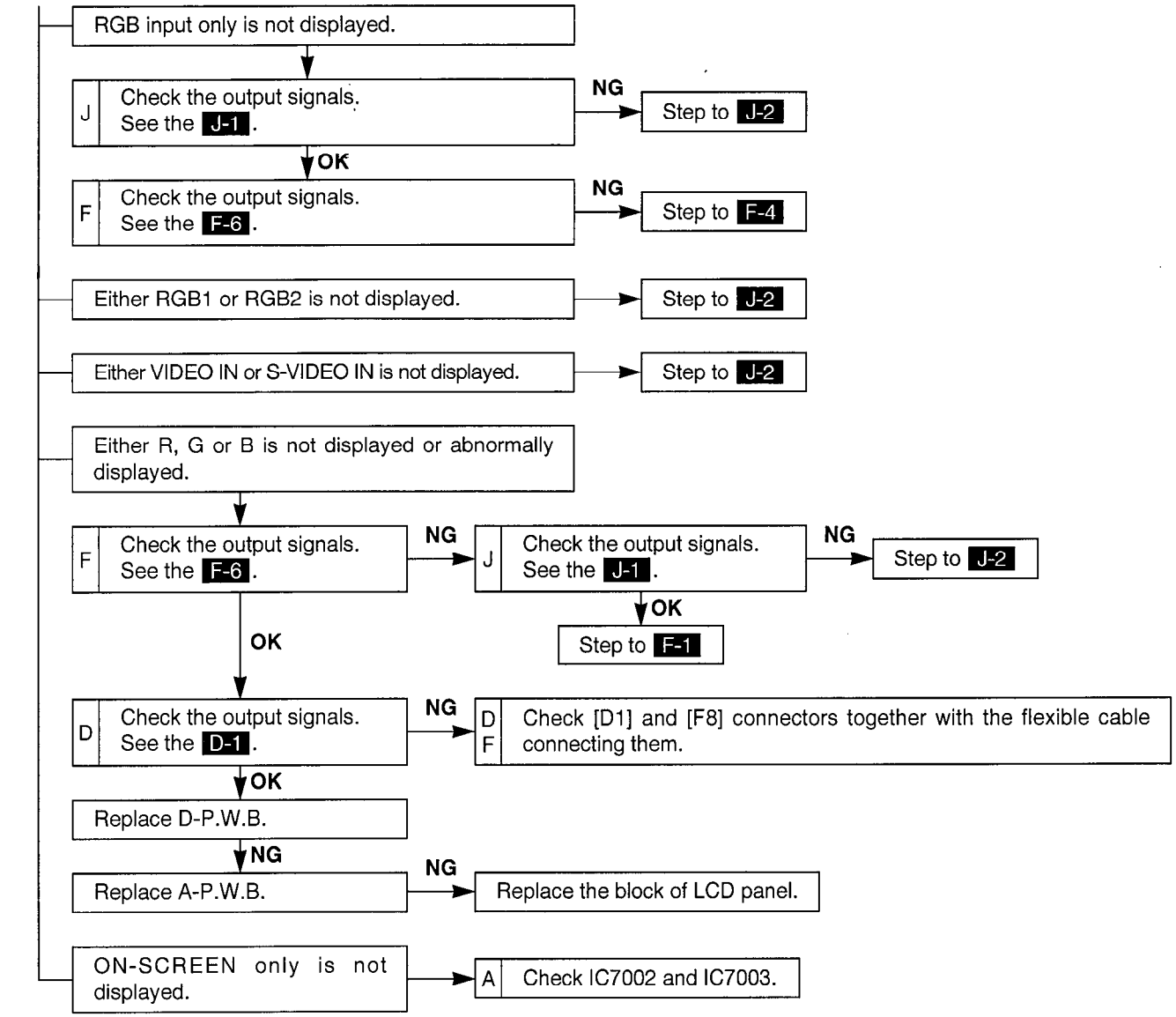
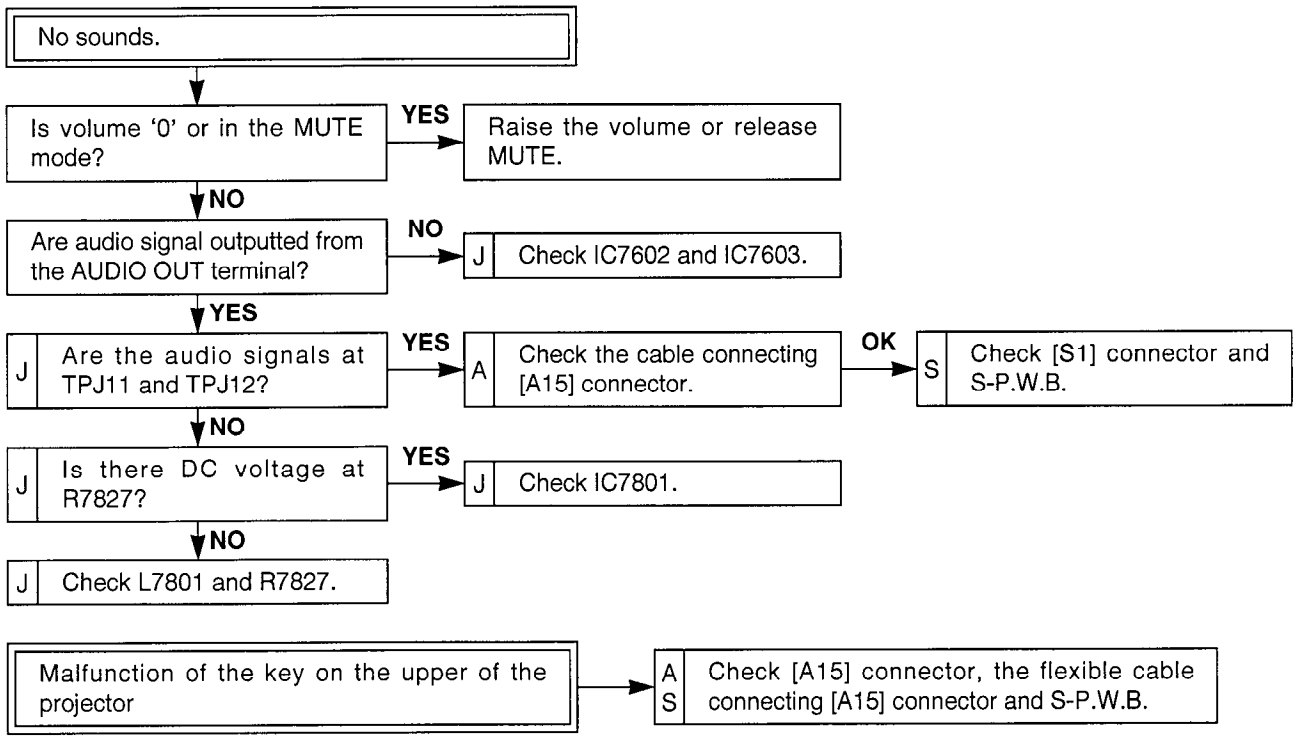
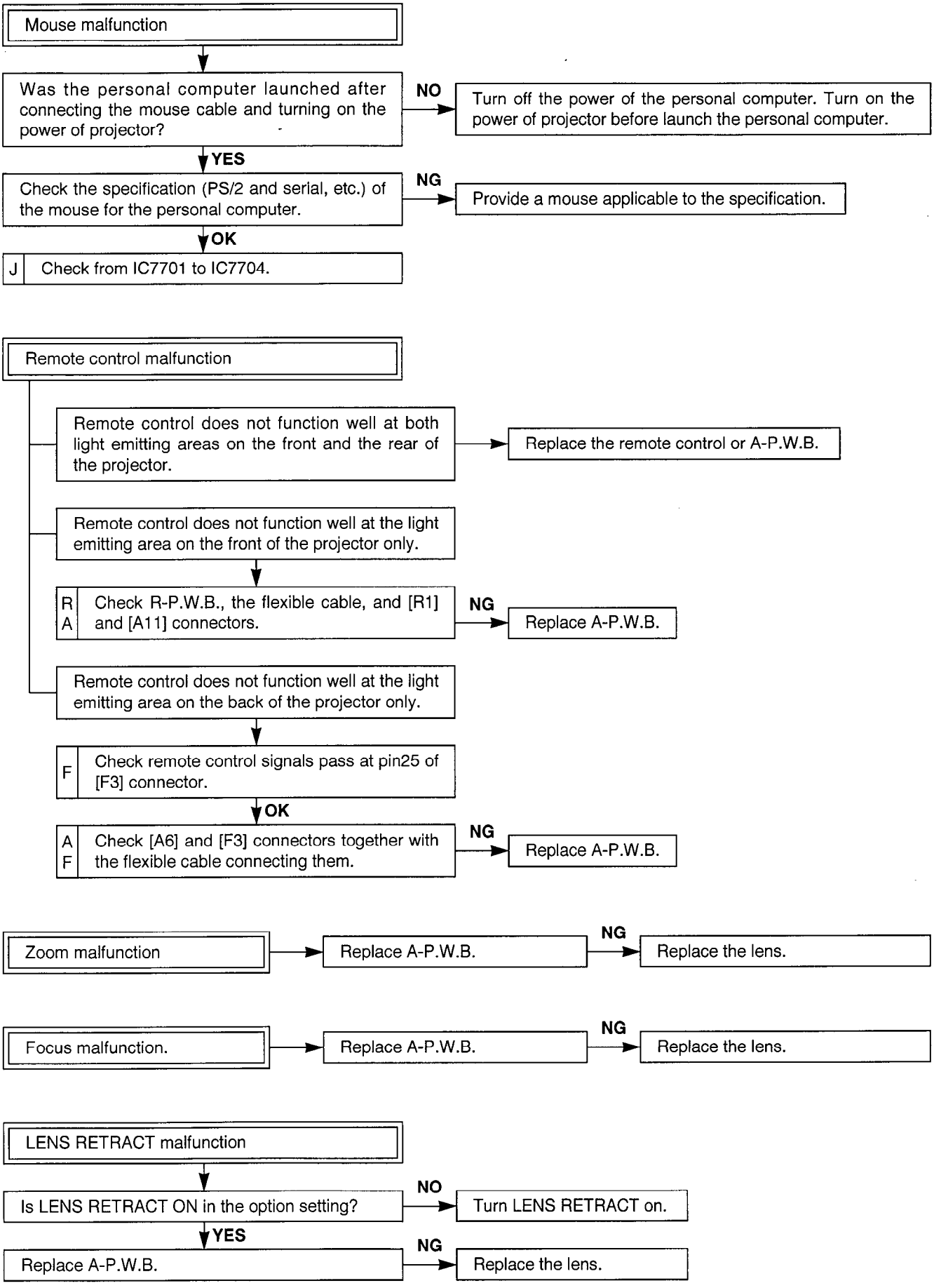

RGB input only is not displayed.
J Check the output signals. See the J-1.
NG
Step to J-2
OK
F Check the output signals. See the F-6.
NG
Step to F-4
Either RGB1 or RGB2 is not displayed.
Step to J-2
Either VIDEO IN or S-VIDEO IN is not displayed.
Step to J-2
Either R, G or B is not displayed or abnormally displayed.
F Check the output signals. See the F-6.
NG
J Check the output signals. See the J-1.
NG
Step to J-2
OK
Step to F-1
OK
D Check the output signals. See the D-1.
NG
D F Check [D1] and [F8] connectors together with the flexible cable connecting them.
OK
Replace D-P.W.B.
NG
Replace A-P.W.B.
NG
Replace the block of LCD panel.
ON-SCREEN only is not displayed.
A Check IC7002 and IC7003.


No sounds.
Is volume '0' or in the MUTE mode?
YES
Raise the volume or release MUTE.
NO
Are audio signal outputted from the AUDIO OUT terminal?
NO
J Check IC7602 and IC7603.
YES
J Are the audio signals at TPJ11 and TPJ12?
YES
A Check the cable connecting [A15] connector.
OK
S Check [S1] connector and S-P.W.B.
NO
J Is there DC voltage at R7827?
YES
J Check IC7801.
NO
J Check L7801 and R7827.
Malfunction of the key on the upper of the projector
A S Check [A15] connector, the flexible cable connecting [A15] connector and S-P.W.B.


Mouse malfunction
Was the personal computer launched after connecting the mouse cable and turning on the power of projector?
NO
Turn off the power of the personal computer. Turn on the power of projector before launch the personal computer.
YES
Check the specification (PS/2 and serial, etc.) of the mouse for the personal computer.
NG
Provide a mouse applicable to the specification.
OK
J
Check from IC7701 to IC7704.
Remote control malfunction
Remote control does not function well at both light emitting areas on the front and the rear of the projector.
Replace the remote control or A-P.W.B.
Remote control does not function well at the light emitting area on the front of the projector only.
R
A
Check R-P.W.B., the flexible cable, and [R1] and [A11] connectors.
NG
Replace A-P.W.B.
Remote control does not function well at the light emitting area on the back of the projector only.
F
Check remote control signals pass at pin25 of [F3] connector.
OK
A
F
Check [A6] and [F3] connectors together with the flexible cable connecting them.
NG
Replace A-P.W.B.
Zoom malfunction
Replace A-P.W.B.
NG
Replace the lens.
Focus malfunction.
Replace A-P.W.B.
NG
Replace the lens.
LENS RETRACT malfunction
Is LENS RETRACT ON in the option setting?
NO
Turn LENS RETRACT on.
YES
Replace A-P.W.B.
NG
Replace the lens.

J-1

- RGB input: → Check the following signals output at TPJ1 to TPJ5. TPJ1-R, TPJ2-G, TPJ3-B, TPJ4-Hsync and TPJ5-Vsync.
- VIDEO input: → Check the video composite signal at TPJ6. And check Y-signal at TPJ6, C-signal at TPJ7.

J-2

- RGB1 is abnormal. → Check Q7521 to Q7530, and IC7503.
- RGB2 is abnormal. → Check Q7531 to Q7540, and IC7503.
- Both RGB1 and RGB2 are abnormal. → Check IC7503.
- S-VIDEO is abnormal. → Check S-VIDEO connector and cable.
- VIDEO is abnormal. → Check IC7504, the input cable and the pin-jack.

F-1

Are [F1], [F2], [F3] and [F8] connectors connected correctly?
- NO → Connect correctly.
- YES ↓

Check voltages
TPF1004: 12V
TPF1005: 9V
TPF1006: 5V
- NG → Check IC1004 and [A7] connector.
- OK ↓

Checking the following signals at IC1019:
-R, G and B signals at pin1, 3 and 5 / VD signal at pin12 at IC1018:
-HD singal at pin13
- NG → Step to F-3
- OK ↓

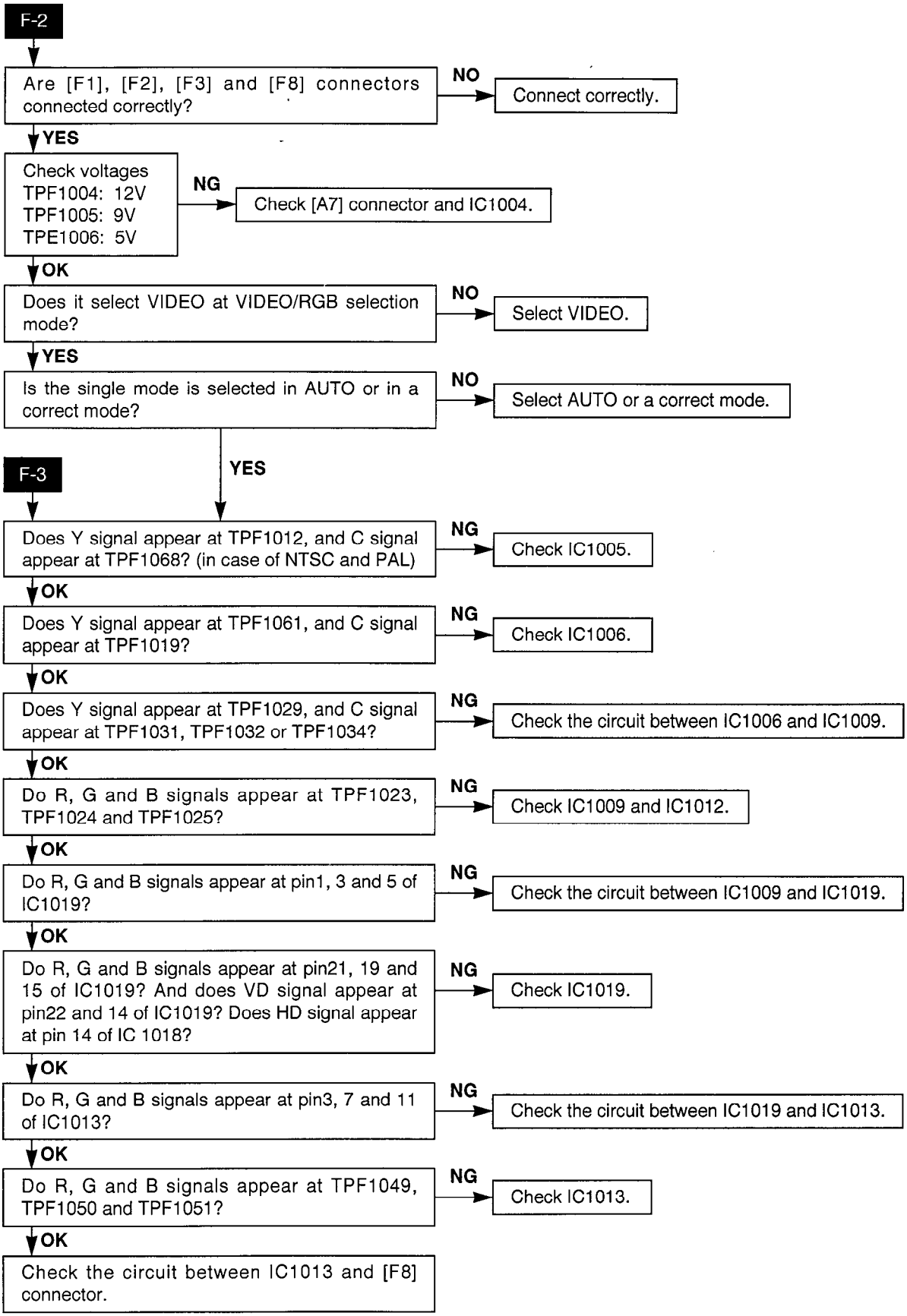
Checking the following signals at IC1019:
-R, G and B signals at pin7, 9 and 11 / VD signal at pin13 at IC1018:
-HD singal at pin12
- NG → Step to F-5
- OK ↓

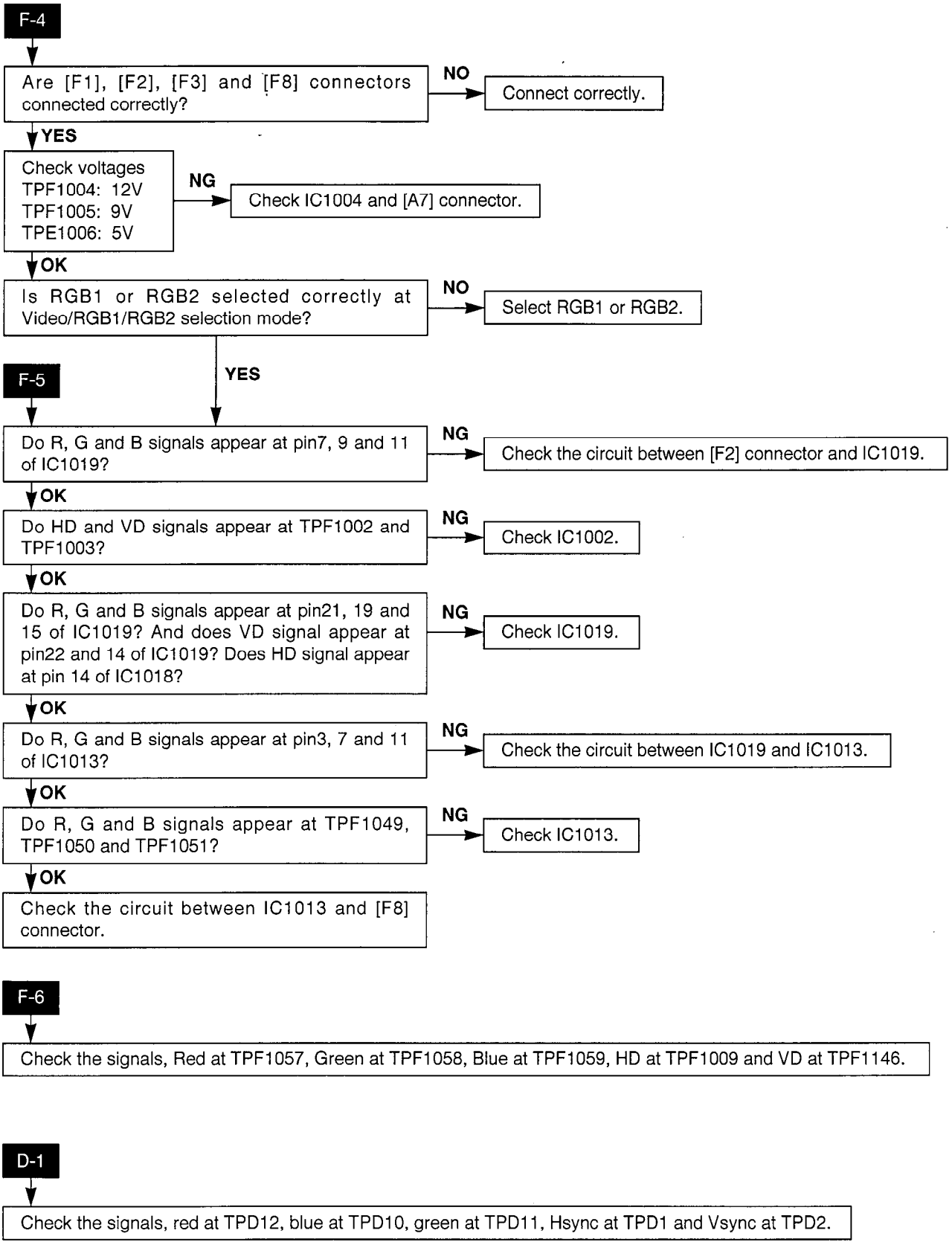
Checking the following signals at IC1019:
-R, G and B signals at pin21, 19 and 15 / VD signal at pin14 at IC1018:
-HD singal at pin14
- NG → Check IC1019.
- OK ↓

Check R, G and B signals at pin3, 7 and 11 of IC1013.
- NG → Check the circuit between IC1019 and IC1013.
- OK ↓

Check R, G and B signals at TPF1049, TPF1050 and TPF1051.
- NG → Check IC1013.
- OK ↓

Check the circuit between [F8] connector and IC1013.


F-2
Are [F1], [F2], [F3] and [F8] connectors connected correctly?
NO
Connect correctly.
YES
Check voltages
TPF1004: 12V
TPF1005: 9V
TPE1006: 5V
NG
Check [A7] connector and IC1004.
OK
Does it select VIDEO at VIDEO/RGB selection mode?
NO
Select VIDEO.
YES
Is the single mode is selected in AUTO or in a correct mode?
NO
Select AUTO or a correct mode.
YES
F-3
Does Y signal appear at TPF1012, and C signal appear at TPF1068? (in case of NTSC and PAL)
NG
Check IC1005.
OK
Does Y signal appear at TPF1061, and C signal appear at TPF1019?
NG
Check IC1006.
OK
Does Y signal appear at TPF1029, and C signal appear at TPF1031, TPF1032 or TPF1034?
NG
Check the circuit between IC1006 and IC1009.
OK
Do R, G and B signals appear at TPF1023, TPF1024 and TPF1025?
NG
Check IC1009 and IC1012.
OK
Do R, G and B signals appear at pin1, 3 and 5 of IC1019?
NG
Check the circuit between IC1009 and IC1019.
OK
Do R, G and B signals appear at pin21, 19 and 15 of IC1019? And does VD signal appear at pin22 and 14 of IC1019? Does HD signal appear at pin 14 of IC 1018?
NG
Check IC1019.
OK
Do R, G and B signals appear at pin3, 7 and 11 of IC1013?
NG
Check the circuit between IC1019 and IC1013.
OK
Do R, G and B signals appear at TPF1049, TPF1050 and TPF1051?
NG
Check IC1013.
OK
Check the circuit between IC1013 and [F8] connector.

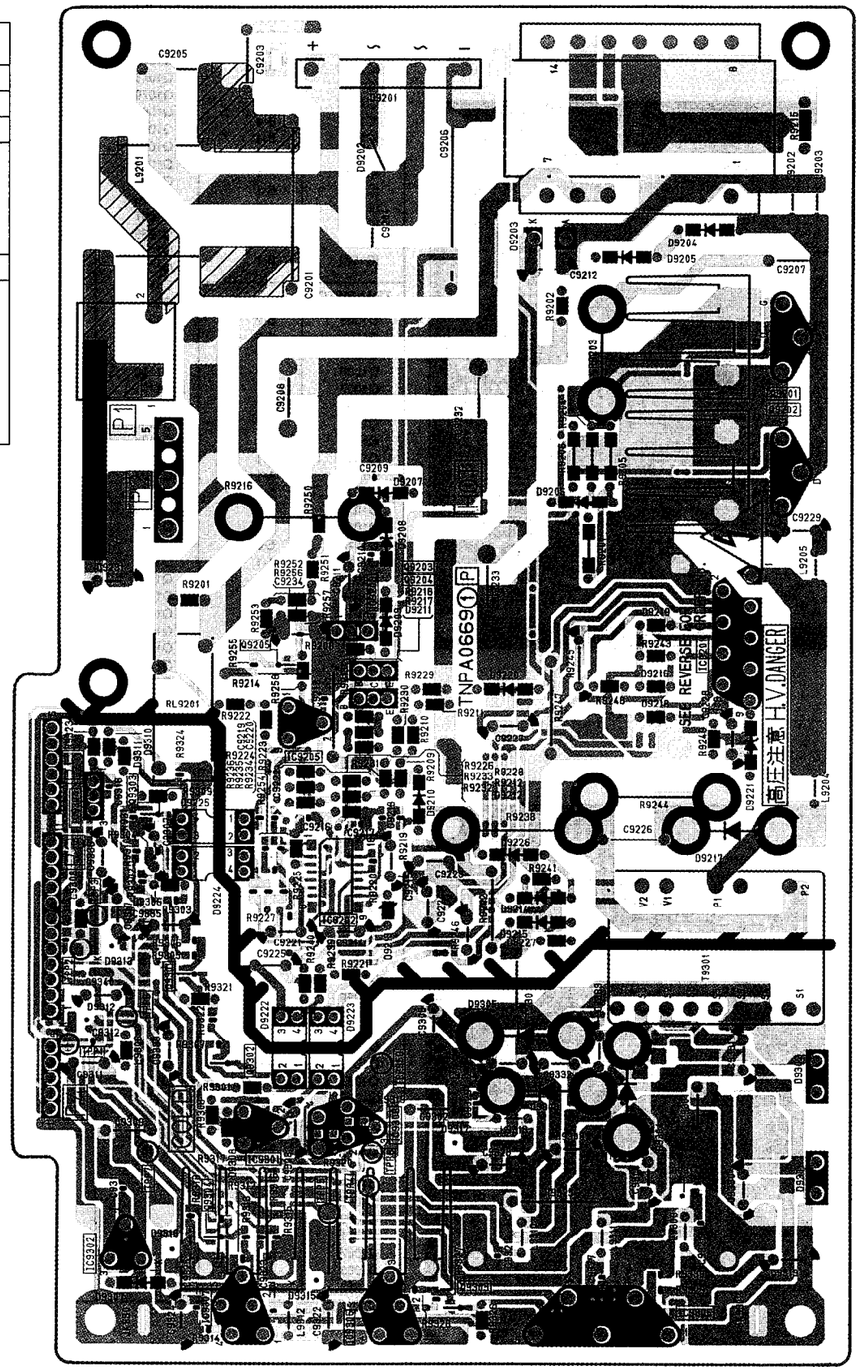

F-4
Are [F1], [F2], [F3] and [F8] connectors connected correctly?
NO
Connect correctly.
YES
Check voltages
TPF1004: 12V
TPF1005: 9V
TPE1006: 5V
NG
Check IC1004 and [A7] connector.
OK
Is RGB1 or RGB2 selected correctly at Video/RGB1/RGB2 selection mode?
NO
Select RGB1 or RGB2.
YES
F-5
Do R, G and B signals appear at pin7, 9 and 11 of IC1019?
NG
Check the circuit between [F2] connector and IC1019.
OK
Do HD and VD signals appear at TPF1002 and TPF1003?
NG
Check IC1002.
OK
Do R, G and B signals appear at pin21, 19 and 15 of IC1019? And does VD signal appear at pin22 and 14 of IC1019? Does HD signal appear at pin 14 of IC1018?
NG
Check IC1019.
OK
Do R, G and B signals appear at pin3, 7 and 11 of IC1013?
NG
Check the circuit between IC1019 and IC1013.
OK
Do R, G and B signals appear at TPF1049, TPF1050 and TPF1051?
NG
Check IC1013.
OK
Check the circuit between IC1013 and [F8] connector.
F-6
Check the signals, Red at TPF1057, Green at TPF1058, Blue at TPF1059, HD at TPF1009 and VD at TPF1146.
D-1
Check the signals, red at TPD12, blue at TPD10, green at TPD11, Hsync at TPD1 and Vsync at TPD2.

CIRCUIT BOARDS

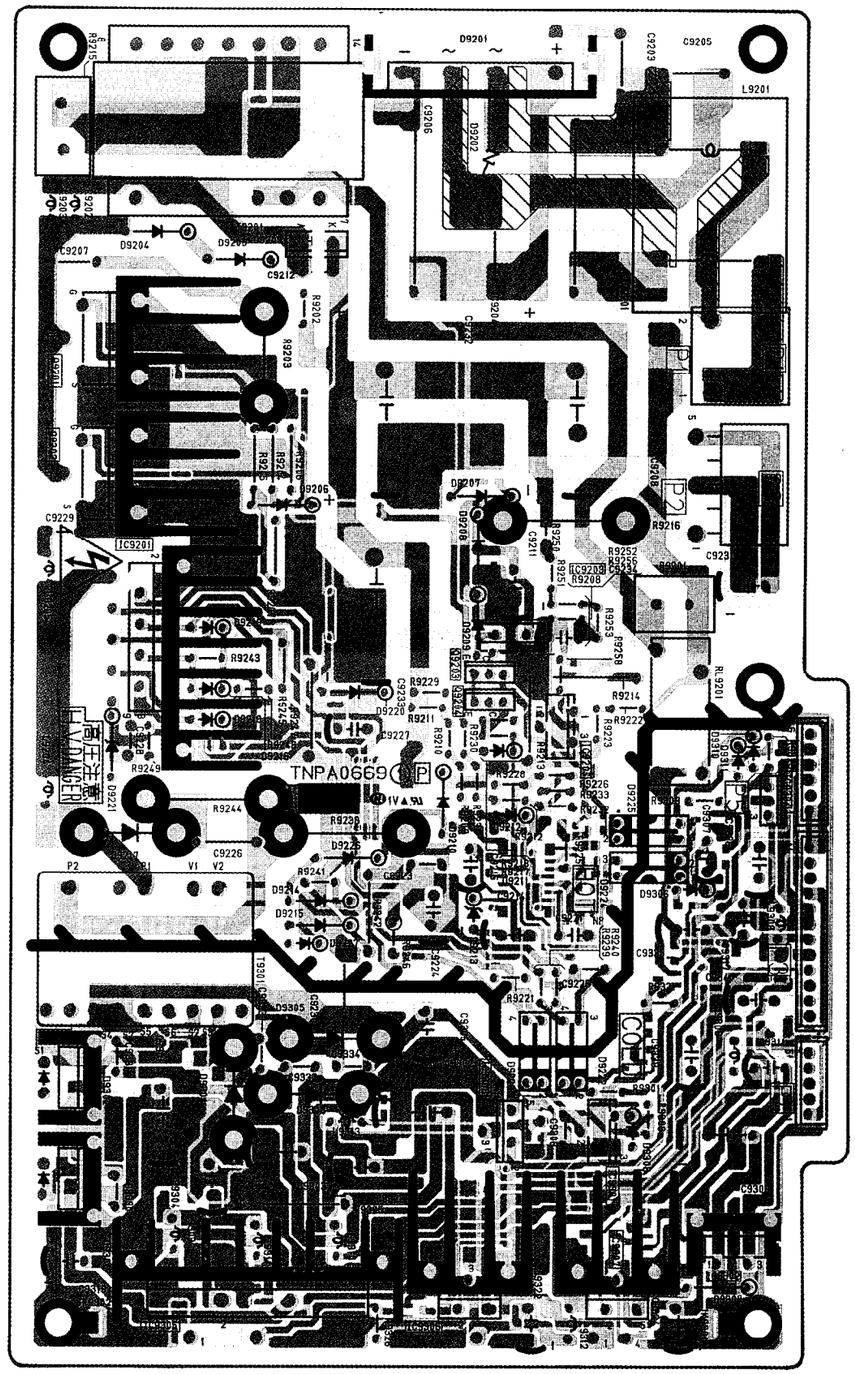
P–P.W. Board TNPA0669AA (Foil Side)

P-P.W. Board (Foil Side)	
IC	
IC9202	B-3
TRANSISTOR	
Q9205	D-2
Q9301	B-2
Q9302	B-2
Q9303	C-2
Q9304	A-2
Q9305	A-3
TP	
TPP1	B-2
TPP2	B-2
TPP3	C-2
TPP4	A-3
TPP5	A-3
TPP6	B-2
TPP7	A-2
TPP8	A-3
TPP95G	B-3

ADDRESS INFORMATION



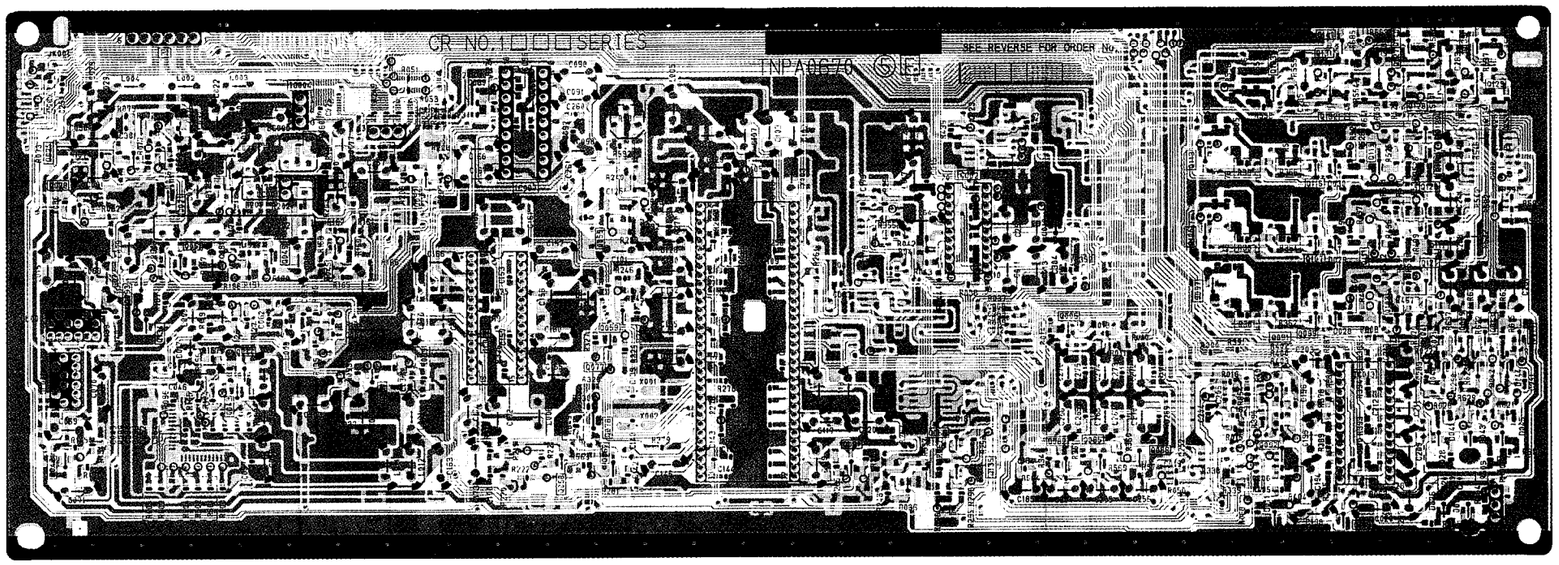
P–P.W. Board TNPA0669AA (Component Side)



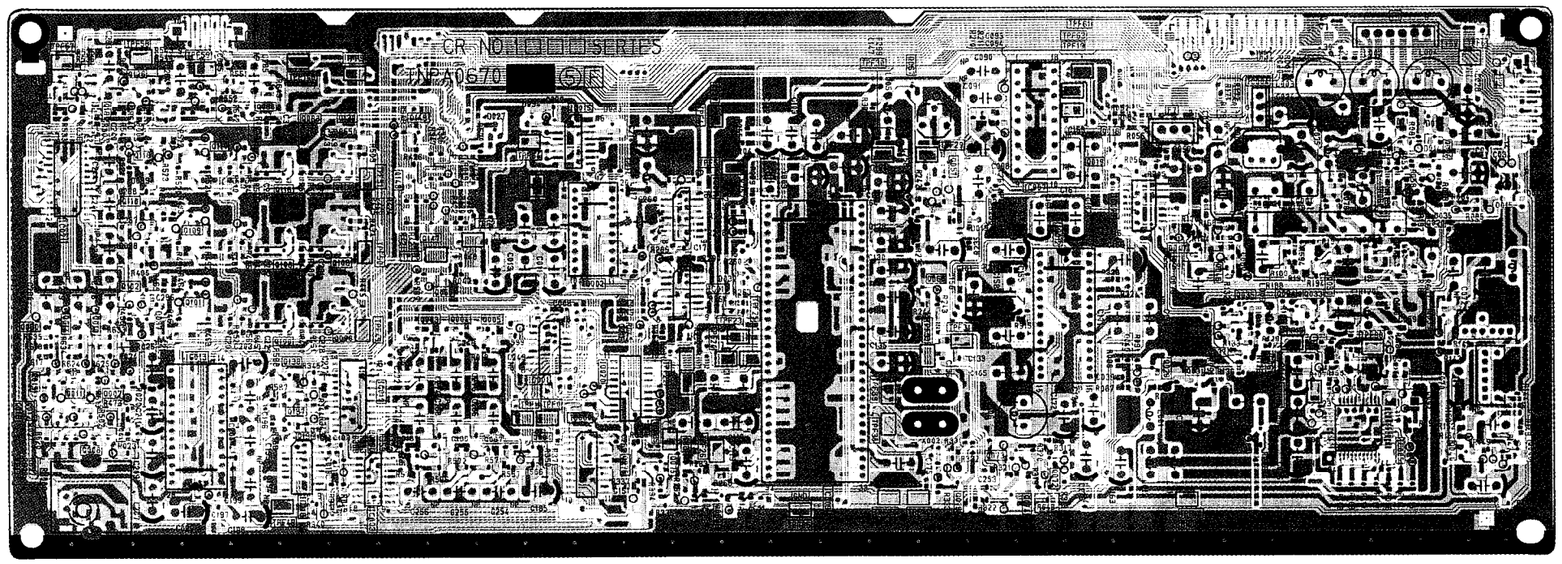
P-P.W. Board (Component Side)	
IC	
IC9201	D-6
IC9203	D-7
IC9205	C-7
IC9301	A-8
IC9302	A-8
IC9304	C-8
IC9305	A-6
IC9306	A-7
IC9307	A-8
IC9308	B-7
TRANSISTOR	
Q9201	E-5
Q9202	D-5
Q9203	C-7
Q9204	C-7

ADDRESS INFORMATION

F–P.W. Board (Foil Side)
TNPA0670AC (PT-L592E/EG/EA)
TNPA0670AD (PT-L392E/EG/EA)



F–P.W. Board (Component Side)
TNPA0670AC (PT-L592E/EG/EA)
TNPA0670AD (PT-L392E/EG/EA)

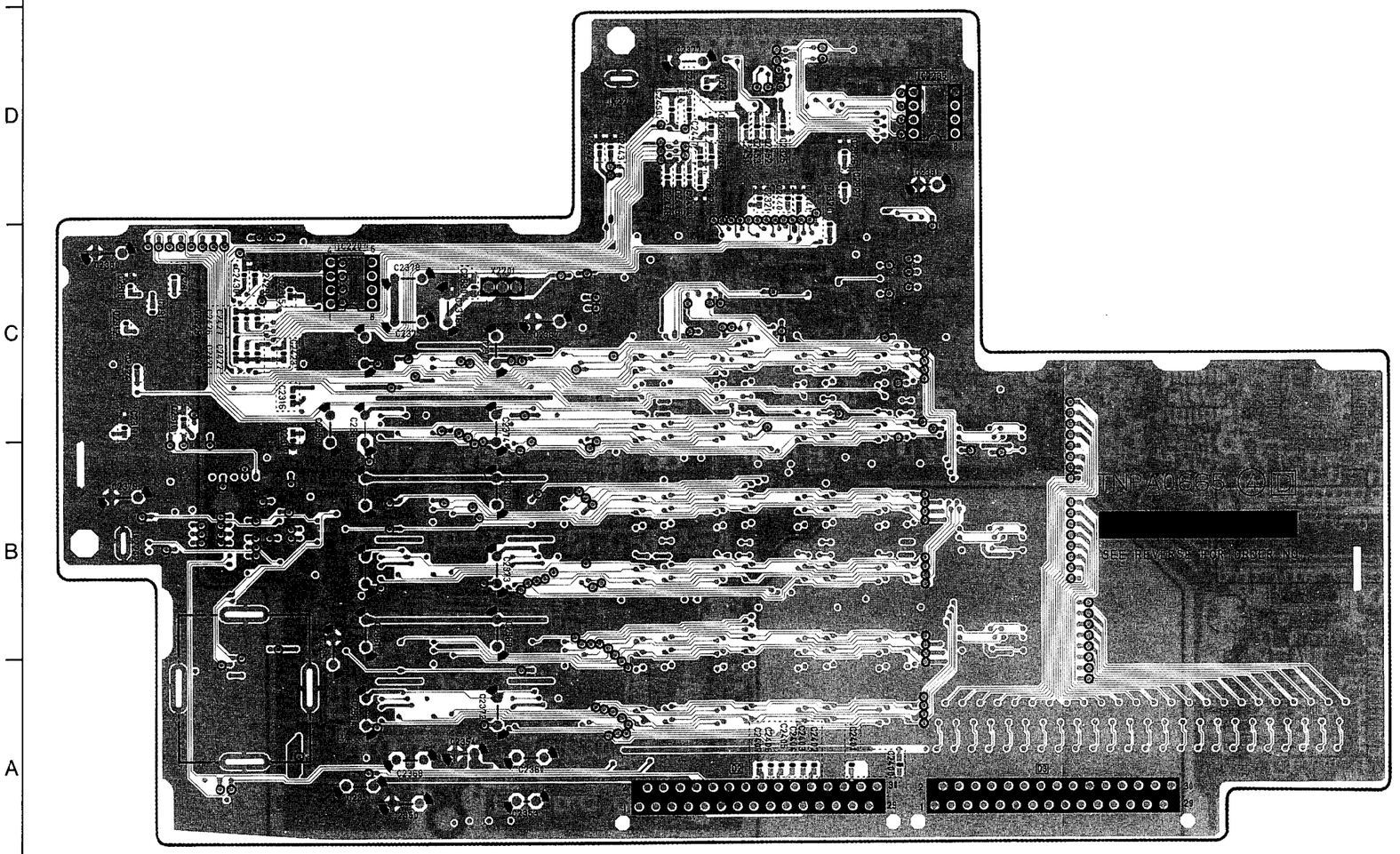


F-P.W. Board (Foil Side and Component Side)

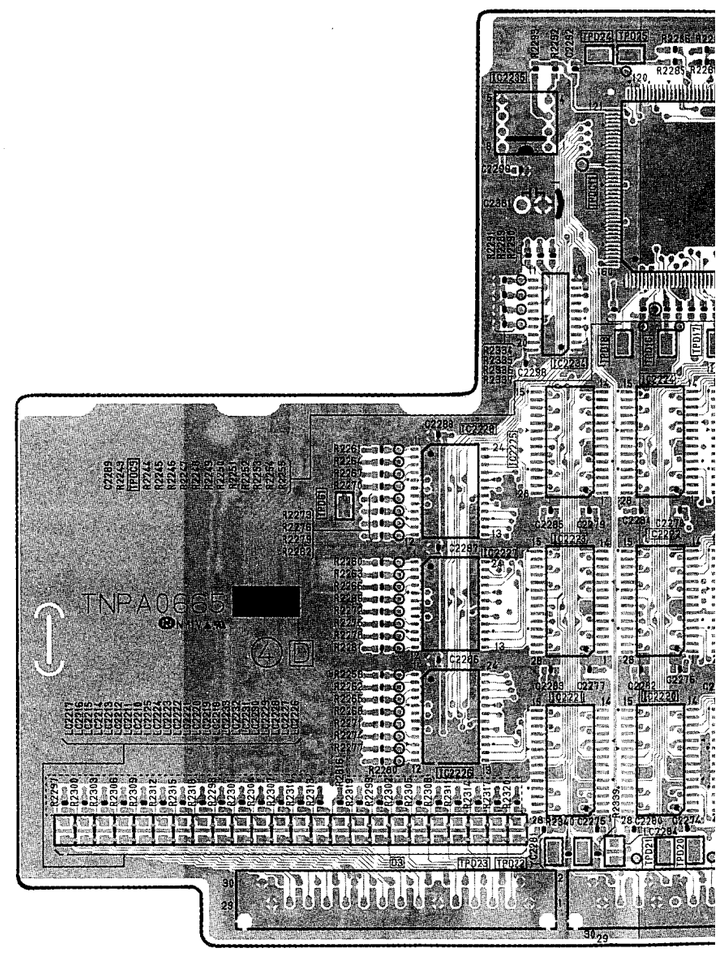
IC				TP	
IC1000	A-3	Q1066	D-4	TPF1000	A-3
IC1001	A-3	Q1067	C-4	TPF1001	A-3
IC1002	B-3	Q1072	A-5	TPF1002	B-3
IC1003	A-2	Q1073	A-5	TPF1003	B-2
IC1004	C-6	Q1074	A-5	TPF1004	B-3
IC1005	A-6	Q1075	A-3	TPF1005	B-4
IC1006	B-5	Q1076	A-3	TPF1006	C-7
IC1007	B-5	Q1077	D-3	TPF1009	C-2
IC1009	A-4	Q1078	D-3	TPF1010	A-5
IC1010	B-4	Q1079	A-5	TPF1012	B-6
IC1011	B-4	Q1080	B-1	TPF1019	C-5
IC1012	B-5	Q1082	D-5	TPF1022	A-3
IC1013	A-1	Q1083	B-2	TPF1023	B-4
IC1015	B-3	Q1084	A-3	TPF1024	B-4
IC1018	A-2	Q1085	D-5	TPF1025	B-4
IC1019	A-2	Q1086	B-2	TPF1026	A-3
IC1020	A-3	Q1087	A-3	TPF1029	B-4
IC1021	B-1	Q1088	D-5	TPF1030	C-4
		Q1090	A-2	TPF1031	B-5
TRANSISTOR		Q1091	D-6	TPF1032	B-4
Q1003	B-2	Q1092	D-6	TPF1034	A-4
Q1004	B-2	Q1093	E-1	TPF1035	A-3
Q1005	B-3	Q1097	E-6	TPF1036	A-4
Q1006	D-5	Q1098	B-2	TPF1038	A-4
Q1007	A-1	Q1099	D-6	TPF1039	A-4
Q1008	A-1	Q1100	B-2	TPF1040	A-4
Q1009	D-7	Q1101	B-1	TPF1041	A-3
Q1010	B-1	Q1102	B-1	TPF1048	A-2
Q1011	A-1	Q1103	E-6	TPF1049	B-2
Q1012	A-1	Q1104	D-6	TPF1050	B-2
Q1013	D-7	Q1106	B-2	TPF1051	B-2
Q1014	B-1	Q1107	E-6	TPF1057	C-1
Q1015	A-1	Q1108	B-2	TPF1058	C-1
Q1015	E-6	Q1109	B-1	TPF1059	C-1
Q1016	A-1	Q1110	B-1	TPF1061	C-5
Q1017	D-7	Q1111	E-6	TPF1063	C-5
Q1018	B-5	Q1112	E-7	TPF1064	B-3
Q1019	B-5	Q1113	E-6	TPF1065	A-6
Q1020	B-6	Q1114	B-2	TPF1067	B-3
Q1021	E-1	Q1115	E-6	TPF1068	B-6
Q1024	B-6	Q1116	B-2	TPF1146	C-2
Q1025	E-1	Q1117	B-1		
Q1026	B-7	Q1118	B-1		
Q1028	E-1	Q1119	E-6		
Q1029	A-5	Q1120	E-7		
Q1030	D-2	Q1121	E-6		
Q1031	A-5	Q1122	C-1		
Q1033	B-6	Q1123	E-7		
Q1034	B-6	Q1124	E-7		
Q1035	B-6	Q1125	E-6		
Q1036	B-6	Q1126	C-1		
Q1037	A-6	Q1127	F-6		
Q1039	B-6	Q1128	E-6		
Q1040	A-7	Q1129	E-7		
Q1041	A-7	Q1130	B-2		
Q1042	D-1	Q1131	F-6		
Q1043	D-2	Q1132	E-6		
Q1044	D-2	Q1133	F-6		
Q1045	E-2	Q1134	D-1		
Q1046	B-6	Q1135	D-5		
Q1047	B-5	Q1136	A-2		
Q1048	E-2	Q1137	A-2		
Q1049	E-2	Q1138	A-2		
Q1050	B-6	Q1139	F-7		
Q1051	E-1	Q1140	F-6		
Q1052	E-2	Q1141	F-6		
Q1054	A-6	Q1143	D-6		
Q1055	E-3	Q1147	B-2		
Q1056	B-5	Q1148	B-2		
Q1057	B-4	Q1149	B-2		
Q1058	D-3	Q1181	B-1		
Q1059	D-3				
Q1060	B-4				
Q1061	D-4				
Q1062	D-3				
Q1063	A-4				
Q1065	B-2				

ADDRESS INFORMATION

D–P.W. Board TNPA0665AC (PT-L592E/EG/EA Only)
(Foil Side)



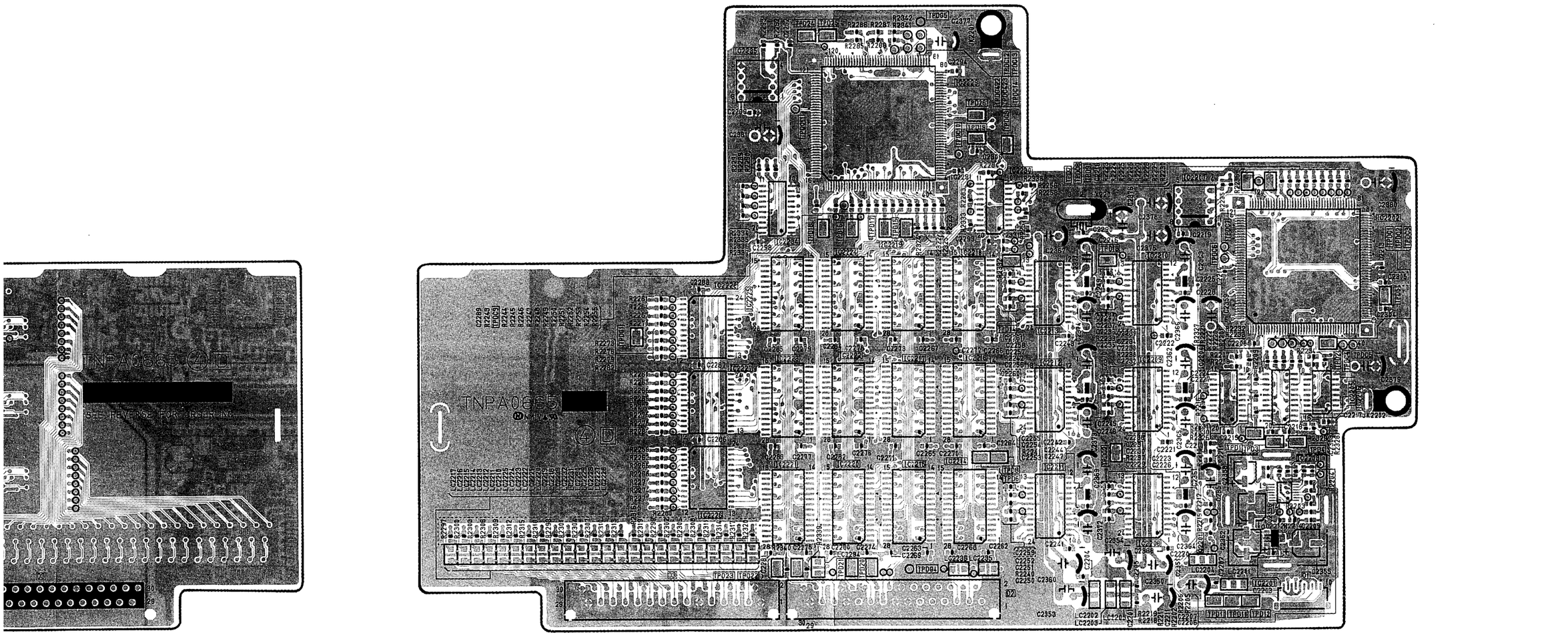
D–P.W. Board TNPA0665AC (PT-L592E/EG/EA Only)
(Component Side)



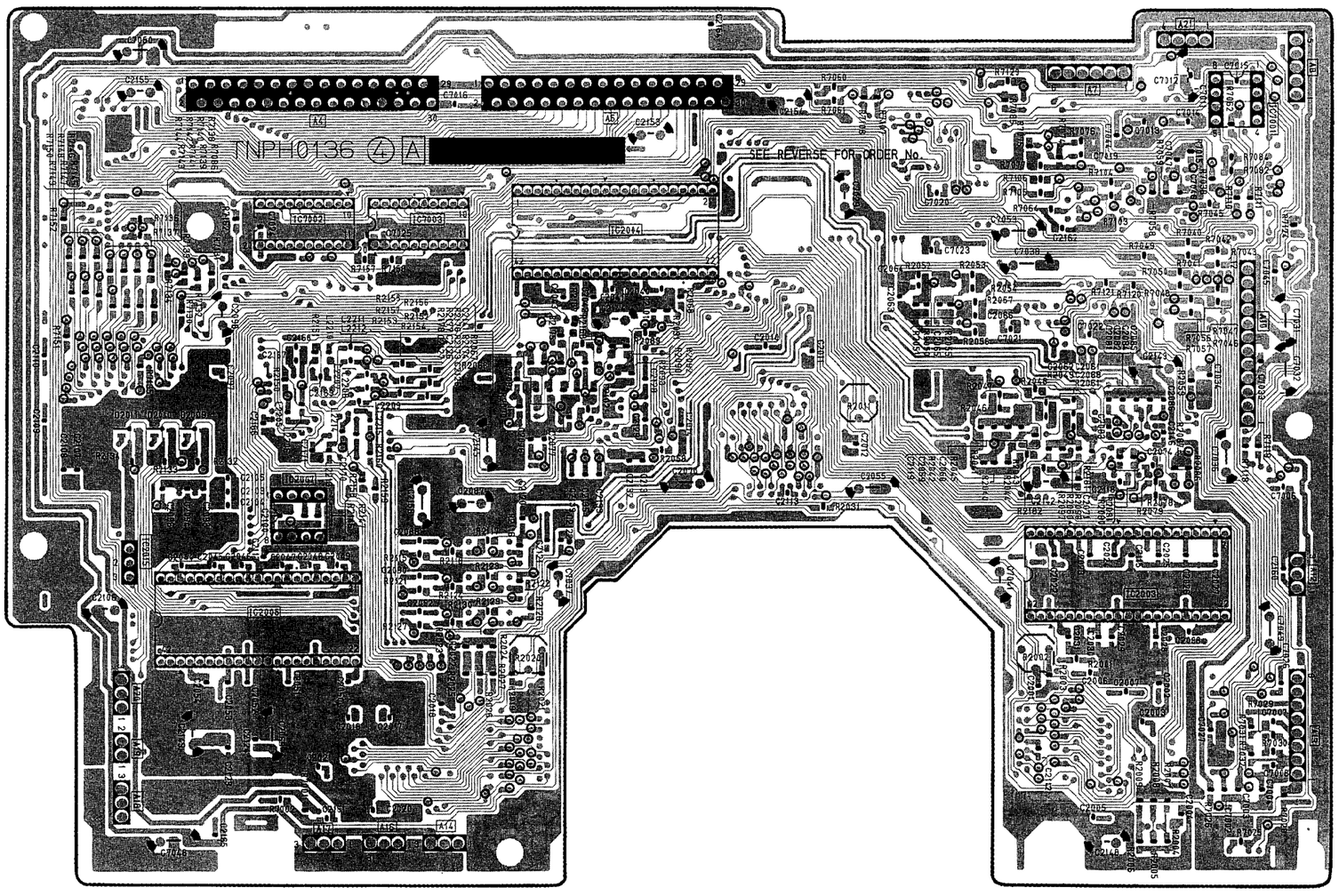
D–P.W. Board TNPA0665AC (PT-L592E/EG/EA Only) (Component Side)

D-P.W. Board (Component Side)							
IC		IC2222	B-10	TPD6	B-11	TPDC1	C-13
IC2201	A-13	IC2223	B-10	TPD7	C-12	TPDC2	C-14
IC2202	C-13	IC2224	C-10	TPD8	B-11	TPDC3	C-14
IC2204	B-12	IC2225	C-10	TPD9	C-12	TPDC4	B-13
IC2205	B-13	IC2226	A-9	TPD10	A-13	TPDC5	B-13
IC2206	B-13	IC2227	B-9	TPD11	A-12	TPDC6	C-12
IC2207	C-12	IC2228	C-9	TPD12	A-13	TPDC7	C-12
IC2208	A-12	IC2229	D-11	TPD13	C-12	TPDC8	C-12
IC2209	B-12	IC2230	C-11	TPD14	B-11	TPDC9	C-8
IC2210	C-12	IC2234	C-10	TPD15	C-10	TPDC10	D-11
IC2211	B-11	IC2235	D-10	TPD16	C-10	TPDC11	D-10
IC2212	B-11	**TRANSISTOR**		TPD17	C-10	TPDC12	D-11
IC2213	B-11	Q2201	A-12	TPD18	C-10	TPDC13	D-11
IC2214	B-11	**TP**		TPD19	D-11	TPDC14	D-11
IC2215	B-11	TPD1	B-13	TPD20	A-10	TPDC422	D-11
IC2216	B-11	TPD2	B-13	TPD21	A-10	TPDC423	D-11
IC2217	B-11	TPD3	B-13	TPD22	A-10	TPDG1	B-9
IC2218	C-11	TPD4	B-13	TPD23	A-9	TPDG2	B-12
IC2219	C-10	TPD5	C-13	TPD24	D-10	TPDG3	D-11
IC2220	B-10			TPD25	D-10	TPDG4	A-11
IC2221	B-10			TPD26	D-11	TPDG5	D-11

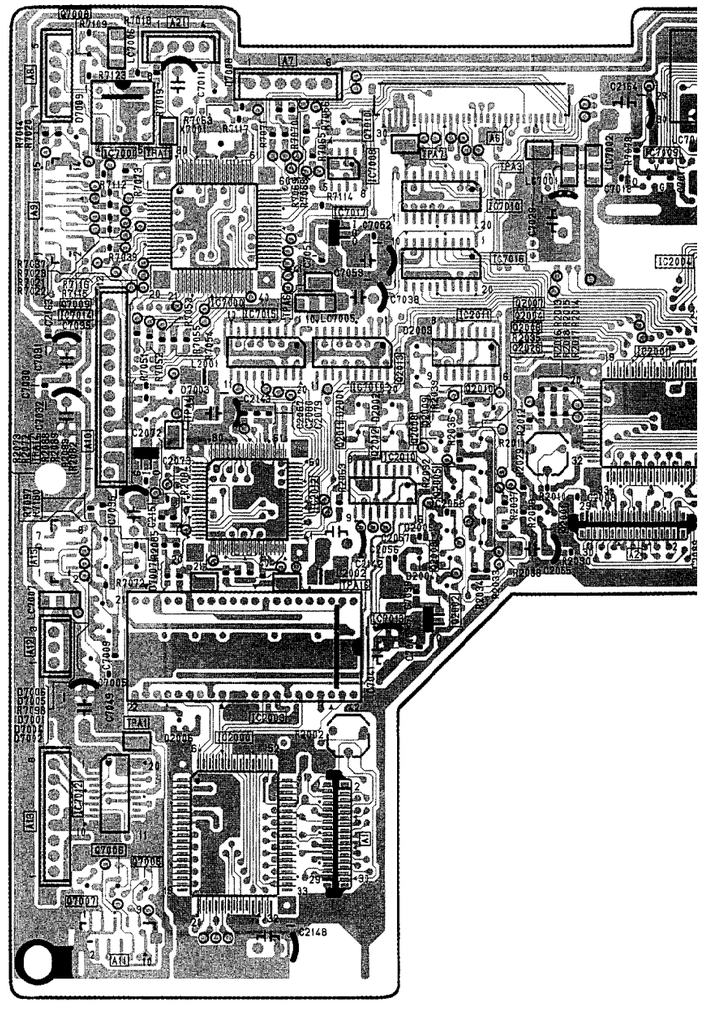
ADDRESS INFORMATION



A–P.W. Board TNPH0136AC (For PT-L592E/EG/EA)
(Foil Side)



A–P.W. Board TNPH0136AC (For PT-L592E/EG/EA)
(Component Side)

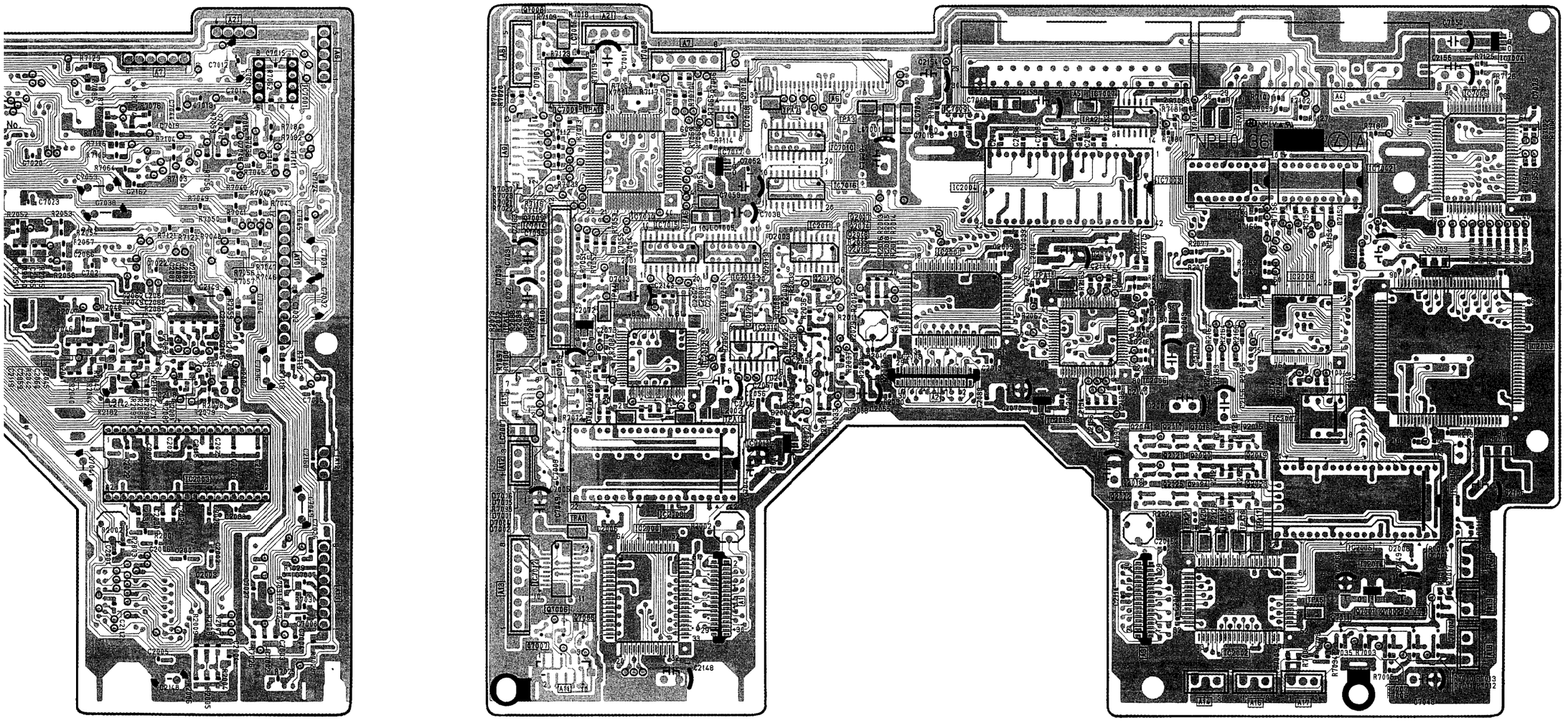


A–P.W. Board TNPH0136AC (For PT-L592E/EG/EA) (Component Side)

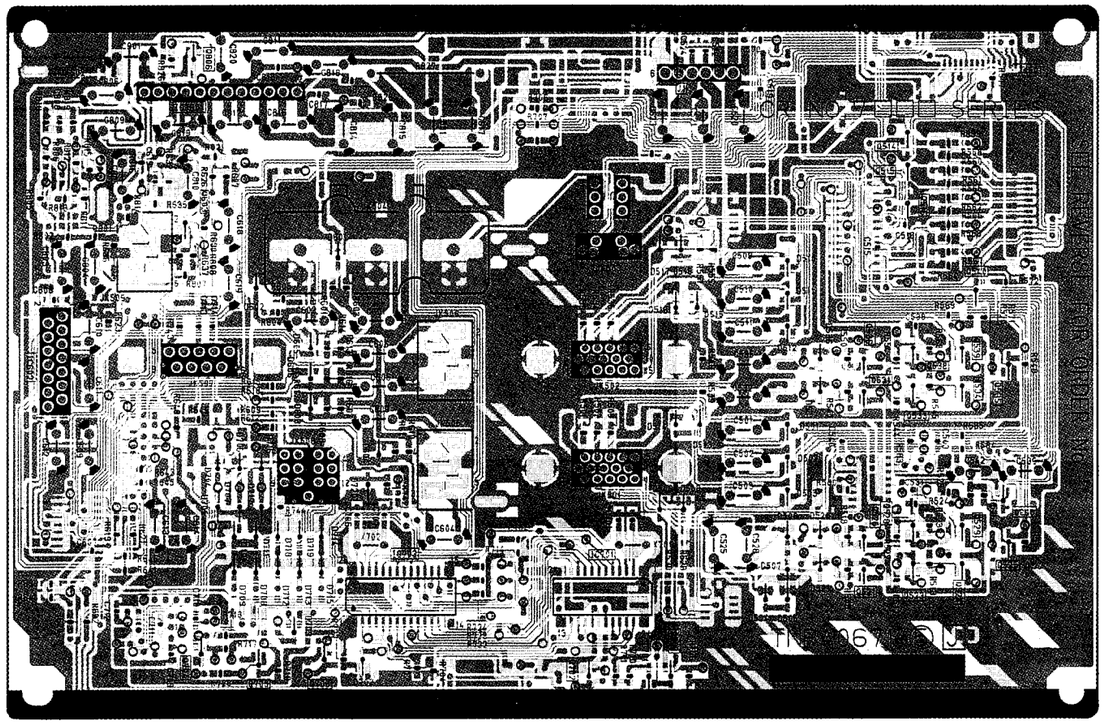
A-P.W. Board for PT-L592E/EG/EA (Component Side)

IC		IC7002	D-13	Q2003	B-9	Q2022	B-11	TP	
IC2000	B-8	IC7003	D-11	Q2004	C-10	Q2023	B-12	TPA1	B-8
IC2001	C-10	IC7004	D-13	Q2005	C-9	Q2024	B-12	TPA2	D-11
IC2002	A-12	IC7006	D-13	Q2006	C-10	Q2025	B-11	TPA3	D-10
IC2003	B-9	IC7007	D-11	Q2007	C-10	Q2026	C-10	TPA4	C-8
IC2004	D-10	IC7008	D-9	Q2008	C-9	Q7001	A-13	TPA5	A-12
IC2005	B-13	IC7009	D-10	Q2009	C-9	Q7002	A-13	TPA6	C-9
IC2006	C-11	IC7010	D-10	Q2010	C-9	Q7003	A-13	TPA7	D-9
IC2007	B-12	IC7011	C-9	Q2011	C-9	Q7004	A-13	TPA9	D-12
IC2008	C-12	IC7012	A-8	Q2012	C-9	Q7005	A-8	TPA10	D-12
IC2009	C-13	IC7013	B-9	Q2013	C-9	Q7006	A-8	TPA11	D-8
IC2010	C-9	IC7014	C-8	Q2014	B-11	Q7007	A-8	TPA14	C-8
IC2011	C-9	IC7015	C-9	Q2015	B-12	Q7008	E-8	TPA15	C-11
IC2012	C-9	IC7016	D-10	Q2016	B-12	Q7009	C-8	TPA16	B-9
IC2013	B-11	IC7017	D-9	Q2017	B-11	Q7010	D-9	TPA17	B-12
IC2014	A-13	TRANSISTOR		Q2018	B-11	Q7011	A-12	TPA18	B-12
IC2015	B-13	Q2001	C-10	Q2019	B-12			TPA19	B-12
IC7000	C-8	Q2002	B-9	Q2020	B-12			TPA20	B-12
IC7001	D-8			Q2021	B-11			TPA21	B-12

ADDRESS INFORMATION



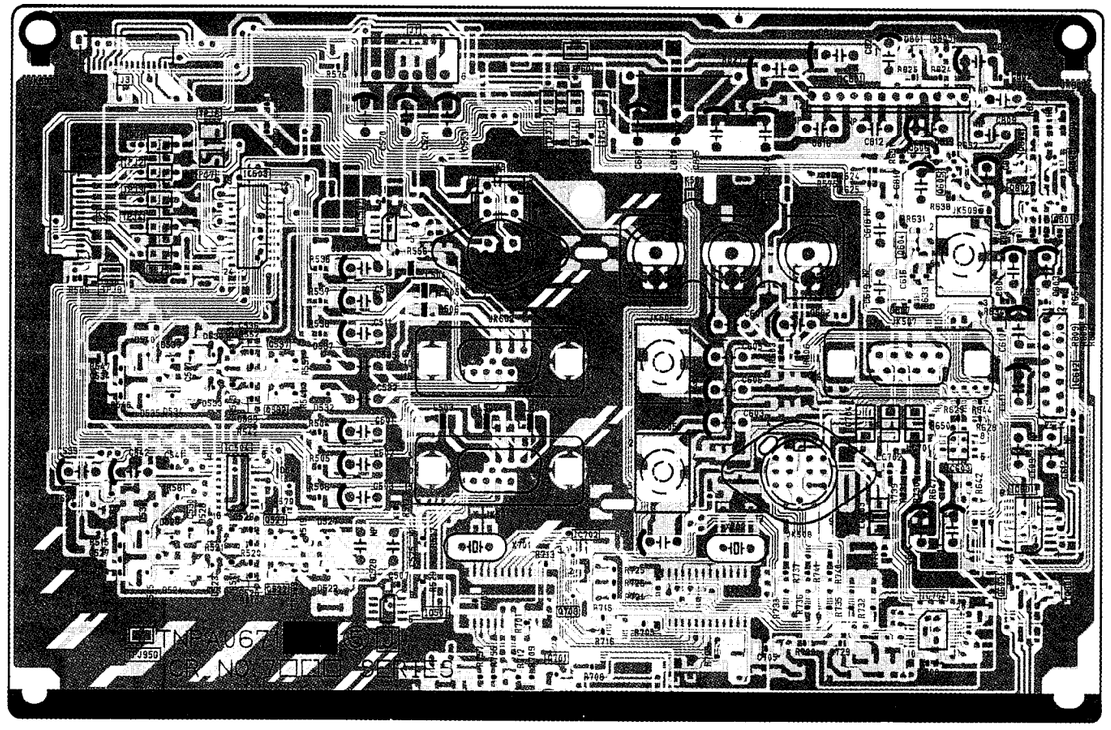
J–P.W. Board (Foil Side)
TXN/J1VTFZ (PT-L592E/EG/EA)
TXN/J1VTGZ (PT-L392E/EG/EA)



J-P.W. Board (Foil Side)	
IC	
IC701	D-5
IC703	D-4
TRANSISTOR	
Q514	F-6
Q515	F-6
Q516	F-6
Q521	D-6
Q523	D-6
Q524	D-6
Q525	D-6
Q526	D-6
Q528	E-6
Q529	D-6
Q530	D-6
Q531	E-6
Q533	E-6
Q534	E-6
Q535	E-6
Q536	E-6
Q538	E-6
Q539	E-6
Q540	E-6
Q603	F-3
Q702	D-5
Q704	D-3
Q705	D-3
Q706	D-4
Q752	D-5
Q806	F-3

ADDRESS INFOMATION

J–P.W. Board (Component Side)
TXN/J1VTFZ (PT-L592E/EG/EA)
TXN/J1VTGZ (PT-L392E/EG/EA)



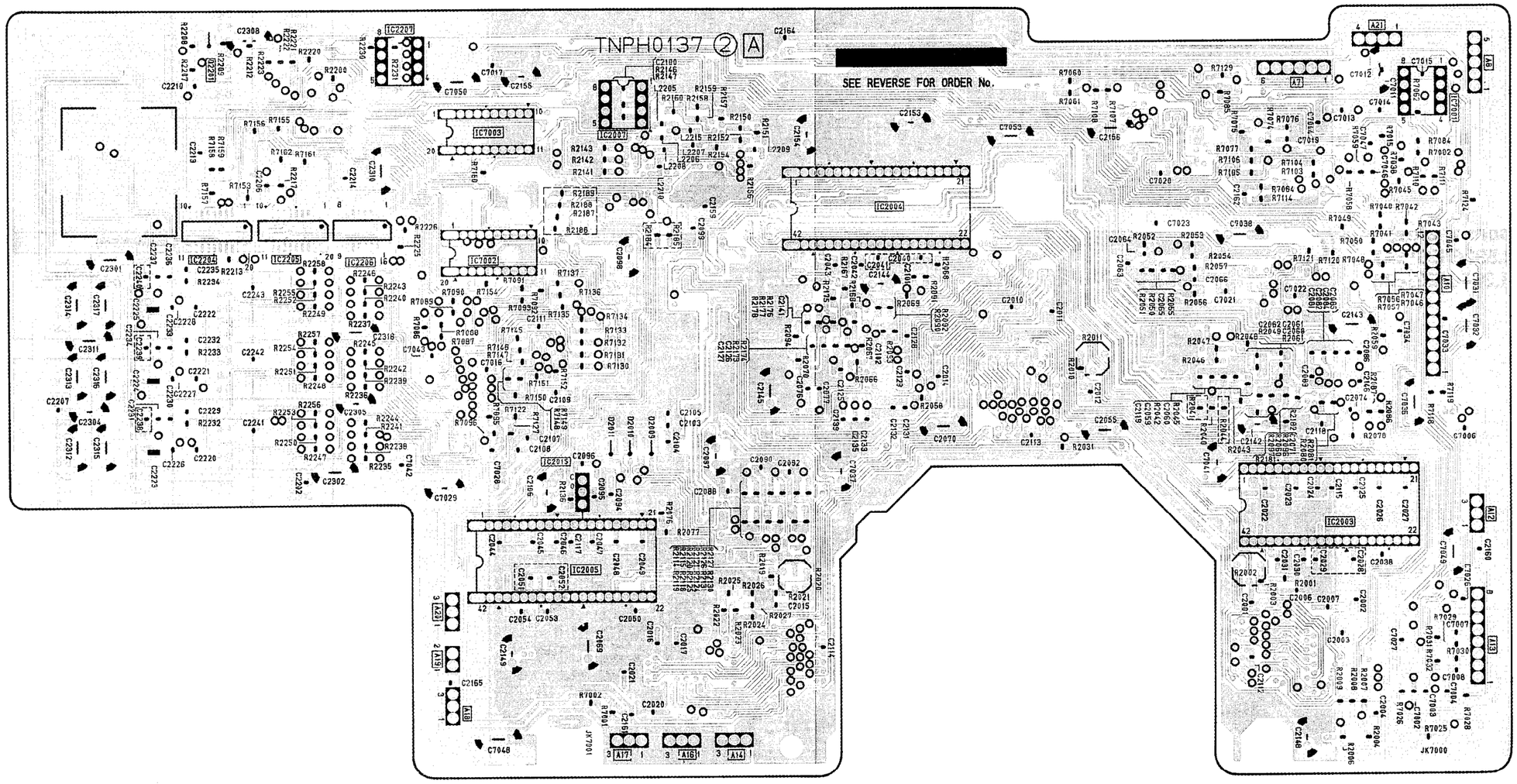
J-P.W. Board (Component Side)			
IC		Q703	A-5
IC501	A-4	Q801	C-7
IC502	C-4	Q802	C-7
IC503	C-3	Q803	C-7
IC601	B-7	Q804	C-7
IC602	B-7	Q805	C-6
IC603	B-6	**TP**	
IC702	A-5	TPJ1	C-3
IC704	A-6	TPJ11	C-5
IC801	C-6	TPJ12	C-5
TRANSISTOR		TPJ13	C-5
Q522	A-4	TPJ2	C-3
Q527	A-4	TPJ3	C-3
Q532	B-4	TPJ4	C-3
Q537	B-4	TPJ5	B-3
Q601	A-7	TPJ6	C-3
Q602	A-6	TPJ7	C-3
Q604	C-6	TPJ8	B-3
Q605	C-6	TPJ95G	A-3
Q606	C-6	TPJ96G	C-5
Q701	A-5		

ADDRESS INFOMATION

A-P.W. Board for PT-L392E/EG/EA (Foil Side)			
IC		TRANSISTOR	
IC2204	C-2	Q2201	D-2
IC2205	C-2		
IC2206	C-2		

ADDRESS INFOMATION

A–P.W. Board TNPH0137AA (For PT-L392E/EG/EA) (Foil Side)

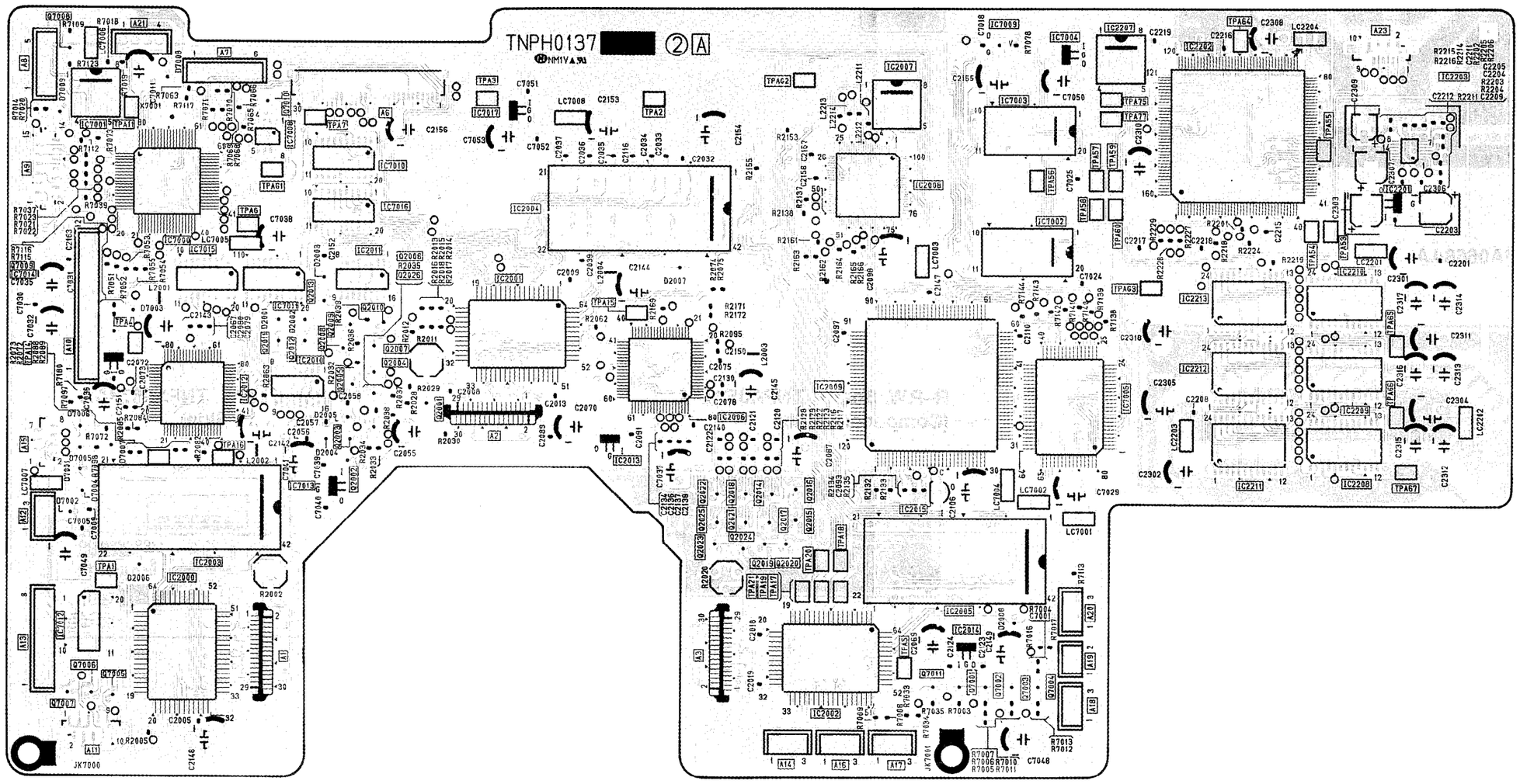


A–P.W. Board TNPH0137AA (For PT-L392E/EG/EA) (Component Side)

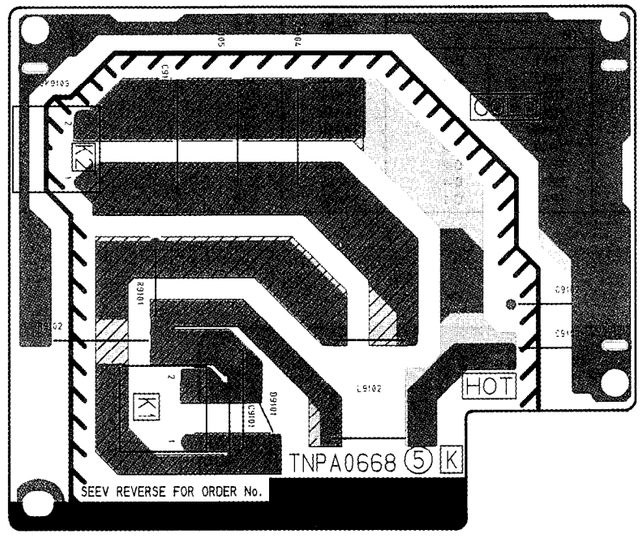
A-P.W. Board for PT-L392E/EG/EA (Component Side)

IC		IC2202	D-7	IC7011	C-2	Q2012	C-2	Q7004	A-6	TPA15	C-4	TPA67	B-8
IC2000	B-2	IC2203	D-8	IC7012	A-1	Q2013	C-2	Q7005	A-1	TPA16	B-2	TPA75	D-7
IC2001	C-3	IC2207	E-6	IC7013	B-2	Q2014	B-5	Q7006	A-1	TPA17	B-5	TPA77	D-7
IC2002	A-5	IC2208	B-8	IC7015	C-2	Q2015	B-5	Q7007	A-1	TPA18	B-5	TPAG1	D-2
IC2003	B-2	IC2209	C-8	IC7016	D-3	Q2016	B-5	Q7008	E-1	TPA19	B-5	TPAG2	D-5
IC2004	D-3	IC2210	C-8	IC7017	D-3	Q2017	B-5	Q7010	D-2	TPA20	B-5	TPAG3	C-7
IC2005	B-6	IC2211	B-7	**TRANSISTOR**		Q2018	B-4	Q7011	A-5	TPA21	B-5		
IC2006	C-4	IC2212	C-7			Q2019	B-5	**TP**		TPA53	C-8		
IC2007	D-5	IC2213	C-7	Q2001	C-3	Q2020	B-5			TPA54	C-8		
IC2008	D-5	IC7000	C-2	Q2002	B-2	Q2021	B-4	TPA1	B-1	TPA55	D-8		
IC2009	C-5	IC7001	D-1	Q2003	B-2	Q2022	B-4	TPA2	D-4	TPA56	D-6		
IC2010	C-2	IC7002	D-6	Q2004	C-3	Q2023	B-4	TPA3	D-3	TPA57	D-6		
IC2011	C-3	IC7003	D-6	Q2005	C-2	Q2024	B-4	TPA4	C-1	TPA58	D-6		
IC2012	C-2	IC7004	E-6	Q2006	C-3	Q2025	B-4	TPA5	A-5	TPA59	D-6		
IC2013	B-4	IC7006	C-7	Q2007	C-3	Q2026	C-3	TPA6	D-2	TPA60	D-6		
IC2014	A-6	IC7008	D-2	Q2008	C-2	Q7001	A-6	TPA7	D-2	TPA64	E-7		
IC2015	B-5	IC7009	E-6	Q2009	C-2	Q7002	A-6	TPA11	D-1	TPA65	C-8		
		IC7010	D-3	Q2011	C-2	Q7003	A-6	TPA14	C-1	TPA66	C-8		

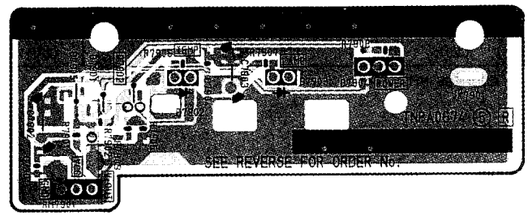
ADDRESS INFOMATION



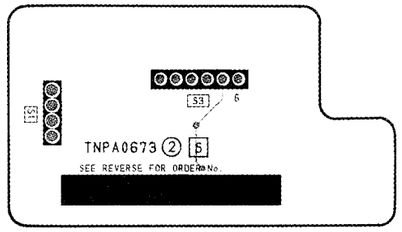
K–P.W. Board TNPA0668AA
(Foil Side)



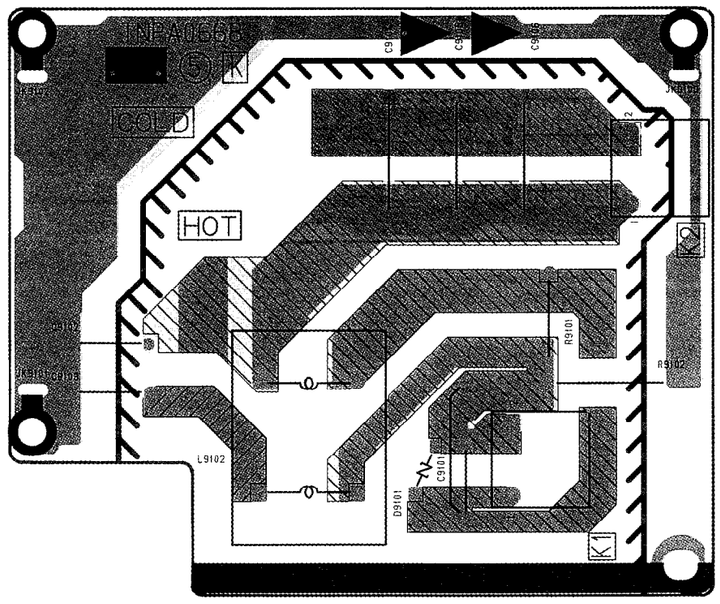
R–P.W. Board TNPA0674AA
(Foil Side)



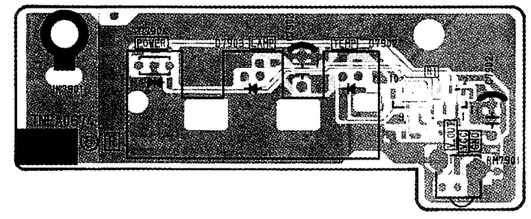
S–P.W. Board TNPA0673AA
(Foil Side)



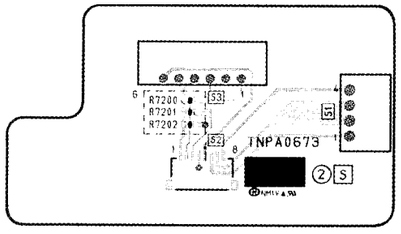
K–P.W. Board TNPA0668AA
(Component Side)



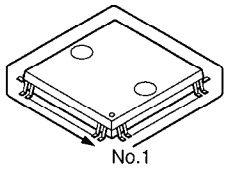
R–P.W. Board TNPA0674AA
(Component Side)



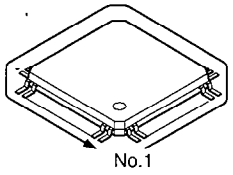
S–P.W. Board TNPA0673AA
(Component Side)



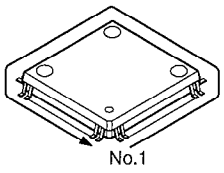
Terminal Guide of IC's and Transistors



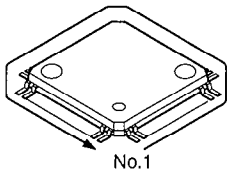
TVRJ102A 80Pin
TVRJ103-1 80Pin



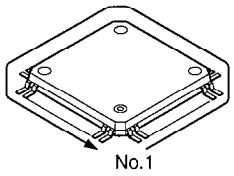
MN8236 44Pin
ET1012T0A 64Pin



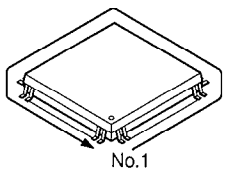
ET7010K0A 120Pin



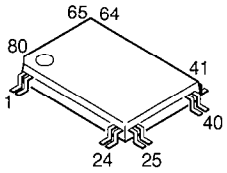
ET5010S0B 80Pin



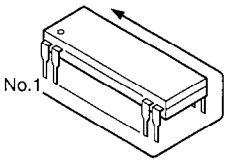
TVSA0132 160Pin



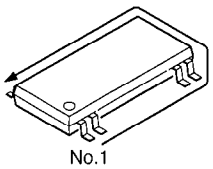
TVSA0133 100Pin
TVSA0134 100Pin



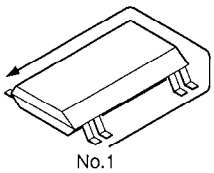
UPD65636G075 80Pin



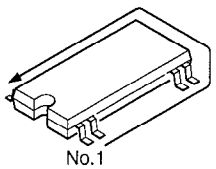
24LC16BIPA24 8Pin



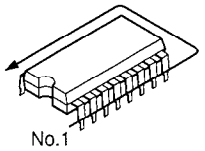
M5197BFP 8Pin
TLC2933IPWL 14Pin
FA5331M 16Pin
MC14052BF 16Pin
MC14053BF 16Pin
SN74HC244NS 16Pin
TC74HC4053AL 16Pin
UPD74HC4538G 16Pin
UPD4721GS 20Pin
74HCT244NSL 20Pin
M62393FP 20Pin
BA7657F 24Pin



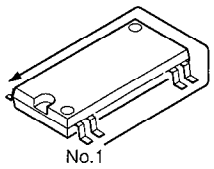
24LC21T-I/SN 8Pin
MN4778AS 28Pin



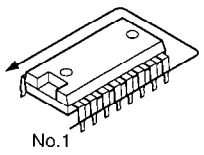
TC74HC08AF 14Pin
TC74AC163F 16Pin
TC74AC240FEL 20Pin
TC74AC244F 20Pin



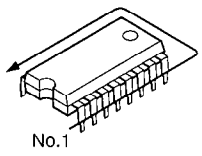
TDA4566 18Pin
M52346SP 20Pin
AN93B06K 28Pin
TA8772AN 30Pin
TA8880BN 64Pin



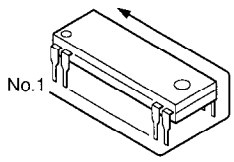
TWM700015010 24Pin
TWM700016010 24Pin



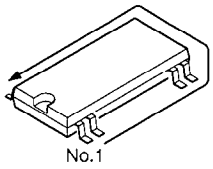
ET6010N0B 42Pin



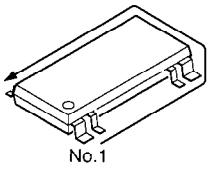
M35042-089SP 20Pin
M35042-090SP 20Pin



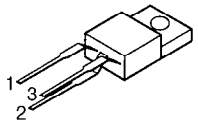
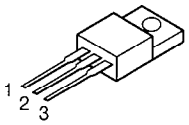
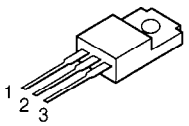
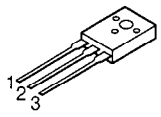
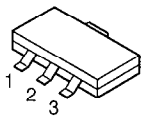
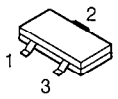
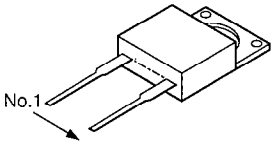
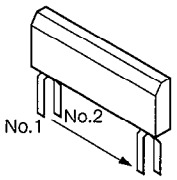
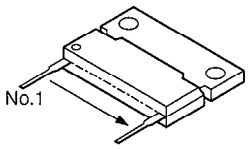
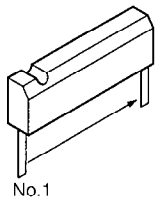
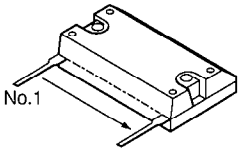
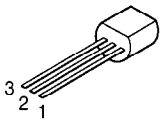
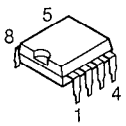
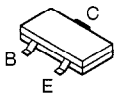
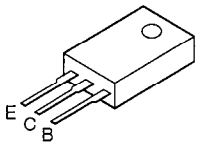
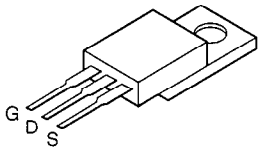
M66256GP 24Pin



TDA8703T-T 24Pin



LB1831M 20Pin

 SE005N 3Pin SE012N 3Pin	 AN78M20 3Pin	 UPC24M05AHF 3Pin	 AN78N05 3Pin AN78N09 3Pin
 AN78L05M 3Pin AN78L15M 3Pin AN79L05M 3Pin	 MN1382R 3Pin	 SI-3050CA 5Pin SI-3120CA 5Pin STRS6707F953 9Pin	 M51132L 14Pin NJM2229M 16Pin
 AN7147N 12Pin	 XRA15218F 8Pin	 STR9005F308A 5Pin	 LM385Z-1.2 3Pin
 TVRJ090-1 8Pin TVRJ091-1 8Pin TVRJ092-1 8Pin TVRJ093 8Pin TVRJ094-1 8Pin	 2SA1462 2SB709AR 2SC2480S 2SD601AR 2SD601AQ 2SD602A-R	 2SA1096A 2SC2497A	 2SK1938

■Pin Description of IC7000 (Microcomputer)

Pin No.	Port	I/O	Name	Stand-BY Function
1	P15/AN15	In Init	Active	E^2PROM Initialize
2	P16/AN16	In Sdown	Active	Power Voltage Check
3	P17/AN17	In S-Video in	Active	S-Video Detection (H: S-Video, L: Video)
4	AVSS	AVSS	—	A/D Converter GND
5	P130/ANO0	Out Mute		Audio Mute (H: Mute, L: Mute Off)
6	P131/ANO1	Out RGB Mute		Video Mute
7	AVREF1	5V	—	Reference Voltage of D/A Converter
8	P70/SI2/RXD	In RXD	Active	RS232C RXD
9	P71/SO2/TXD	Out TXD	Active	RS232C TXD
10	P72/SCK1	In (GND)	—	Not Use
11	P20/SI1	In IICC	Active	External Control of
12	P21/SO1	Out OSD DATA	Active	OSD (DATA)
13	P22/SCK1	Out OSD CLK	Active	OSD (CLOCK)
14	P23/STB	Out STB1	Active	OSD (STB1)
15	P24/BUSY	Out STB2	Active	OSD (STB2)
16	P25/SIO/SIB	In	—	Not Use
17	P26/SO0/SB1	Out SDA	Active	IIC Bus (SDA)
18	P27/SCK0	Out SCL	Active	IIC Bus (SCL)
19	P40/AD0	Out AL1	L	Load (AL1)
20	P41/AD1	Out AL2	L	Load (AL2)
21	P42/AD2	Out ET7010	L	Load (ET7010)
22	P43/AD3	Out AL3	L	Load (AL3)
23	P44/AD4	Out KAME-LSI	L	Load (KAME-LSI)
24	P45/AD5	Out CLK	L	CLK for Digital IC
25	P46/AD6	Out DATA	L	DATA for Digital IC
26	P47/AD7	Out NC47	—	Not Use
27	P50/A8	Out MSW	L	Thin Control (H: On, L: Off)
28	P51/A9	Out POWER LED	Active	Power LED (H: Set, L: Stand-by)
29	P52/A10	Out LAMP LED	Active	Lamp Condition LED (H: On, L: Off)
30	P53/A11	Out THERMO LED	Active	Temperature Condition LED (H: On, L: Off)
31	P54/A12	Out ZOOM MOTOR1	L	Control Zoom Motor 1
32	P55/A13	Out ZOOM MOTOR2	L	Control Zoom Motor 2
33	VSS	GND	—	GND
34	P56/A14	Out FOCUS MOTOR1	L	Control Focus Motor 1
35	P57/A15	Out FOCUS MOTOR2	L	Control Focus Motor 2
36	P60	In STATE1		V Signal Detection
37	P61	In STATE2		H Signal Detection
38	P62	In HPOL		H Signal Polarity Detection
39	P63	In VPOL		V Signal Polarity Detection
40	P64	Out DAC CLOCK	L	DAC (Clock)
41	P65	Out DAC DATA	L	DAC (Data)

Pin No.	Port	I/O	Name	Stand-BY Function
42	P66	Out DAC LOAD1	L	DAC (Load)
43	P67	Out DAC LOAD2	L	DAC (Load)
44	P30/TO0	Out FAN ON/OFF	Active	Fan Condition (H: Normal, L: Abnormal)
45	P31/TO1	Out HC	Active	H Pulse Check
46	P32/TO2	Out FAN CTL	Active	Control FAN Speed
47	P33/TI1	In HPOL	Active	H Pulse input (Negative Polarity)
48	P34/TI2	Out STBY/MAIN	L	Power Control (H: On, L: Off)
49	P35/PCL	Out BLST ON	L	Ballast Power Control (H: On, L: Off)
50	P36/BUZ	In LAMP ON/OFF	Active	Lamp On
51	P37	In FAN SENCE	Active	FAN Stop
52	P120/RTP0	Out VID/RGB	L	Video/RGB Selector (H: Video, L: RGB)
53	P120/RTP1	Out RGB1/RGB2	L	RGB1/RGB2 Selector (H: RGB1, L: RGB2)
54	P120/RTP2	Out RGB1/Other	L	RGB1/Other Selector (H: RGB1, L: Other)
55	P123/RTP3	Out NC123		Not Use
56	P124/RTP4	Out SWB		Video System Selector 1
57	P125/RTP5	Out SWA		Video System Selector 2
58	P126/RTP6	Out SECAM		Video System Selector 3
59	P127/RTP7	Out PAL. SECAM		Video System Selector 4
60	RESET	SYSTEM RESET	—	System Reset
61	P00/INTP0/TI00	In POWER SENSE	—	Main Power Sense
62	P01/INTP1/TI01	In HC. IN	Active	H Pulse Check
63	P02/INTP2	In VPOL	—	V Pulse Input (Negative Polarity)
64	P03/INTP3	In R. COM IN	Active	Remote Control Input (Negative Polarity)
65	P04/INTP4	In ZOOM SENSE1		Zoom Sense 1
66	P05/INTP5	In ZOOM SENSE2		Zoom Sense 2
67	P06/INTP6	In FOCUS SENSE1		Focus Sense 1
68	Vdd	5V	—	(+) 5V
69	x2	5MHz	Active	System Clock
70	x1	In 5MHz	Active	System Clock
71	Vpp	GND	—	Program Writing Control
72	XT2	OPEN	—	Sub-system Clock
73	P07/XT1	In FOCUS SENSE2	—	Focus Sense 2
74	Avdd	5V	—	Power for A/D Converter
75	AVref0	In 5V	—	Reference Voltage of A/D Converter
76	P10/ANI0	In Key SCAN1	—	Key Scan 1
77	P11/ANI1	In Key SCAN2	Active	Key Scan 2
78	P12/ANI2	In Key SCAN3	Active	Key Scan 3
79	P13/ANI3	In Key SCAN4	Active	Key Scan 4
80	P14/ANI4	In THERMO SENS	Active	Temperature Senser Input

Schematic Diagram for Model PT-L592 • 392E/EG/EA

Important safety notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, only manufactur's sepcifed parts.

Notes:

1. **Resistor**
   All resistors are carbon 1/4W resistor, unless marked as follows:
   Unit of resistance is OHM [Ω] (K=1,000 M=1,000,000).

   ○ : Nonflammable　　⊠ : Metal Oxide
   △ : Solid　　◎ : Metal Film
   ⊿ : Wire Wound　　⊗ : Fuze

2. **Capacitor**
   All capacitors are ceramic 50V capacitor, unless marked as follows:
   Unit of capacitance is µF, unless otherwise noted.

   ⊗ : Temperature Compensation　　: Electrolytic
   Ⓜ : Polyester　　: Bipolar
   ⓜ : Metalized Polyester　　Ⓣ : Dipped Tantalum
   ⊠ : Polypropylene　　Ⓩ : Z-Type

3. **Coil**
   Unit of inductance is µH, unless otherwise noted.

4. **Test Point**
   : Test Point position

5. **Voltage Measurement**
   Voltage is measured by an electronic voltmeter receiving rainbow color bar signal when all customer's controls are set to the maximum position.

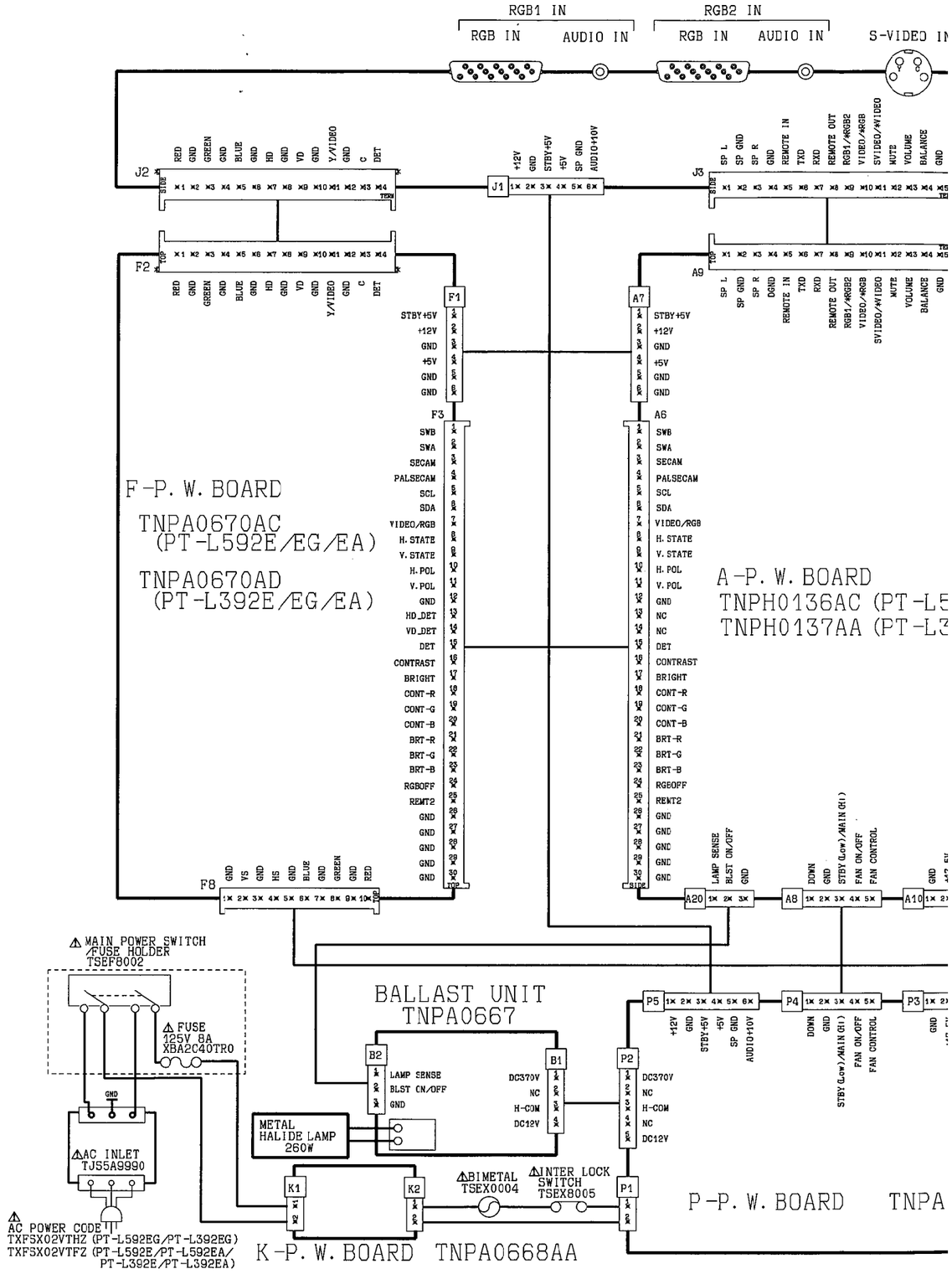
6. **This schematic diagram is the latest at the time of printing and subject to change without notice.**

7. Positive voltage lines
   Video signal
   S-Video signal
   V or H output signal
   R.G.B. signal
   Audio signal

Note:
The power Circuit board contains a circuit area which uses separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

PRECAUTIONS
1. Do not touch the hot part or the hot and cold parts at the same time or you may receive a shock.
2. Do not short-circuit the hot and cold circuits or a fuse may blow and parts may break.
3. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may below. Connect the ground of instruments to the ground connection of the circuit being measured.
4. Make sure to disconnect the power plug before removing the chassis.

■ INTERCONNECTION BLOCK DIAGRAM



RGB2 IN
IN AUDIO IN S-VIDEO IN VIDEO IN AUDIO IN L R AUDIO OUT SERIAL MOUSE

J-P. W. BOARD
TXN/J1VTFZ (PT-L592E/EG/EA)
TXN/J1VTGZ (PT-L392E/EG/EA)

FOR FACTORY ADJ.

A-P. W. BOARD
TNPH0136AC (PT-L592E/EG/EA)
TNPH0137AA (PT-L392E/EG/EA)

LCD PANEL
BLUE
GREEN
RED

R-P. W. BOARD
TNPA0674AA

S-P. W. BOARD
TNPA0673AA

CONTROL PANEL UNIT
SPEAKER (L)
SPEAKER (R)
THERMOSENSOR

FAN FOR POWER
FAN FOR LCD PANEL
FAN FOR BALLAST UNIT
FAN FOR LAMP
FAN FOR OPTICS

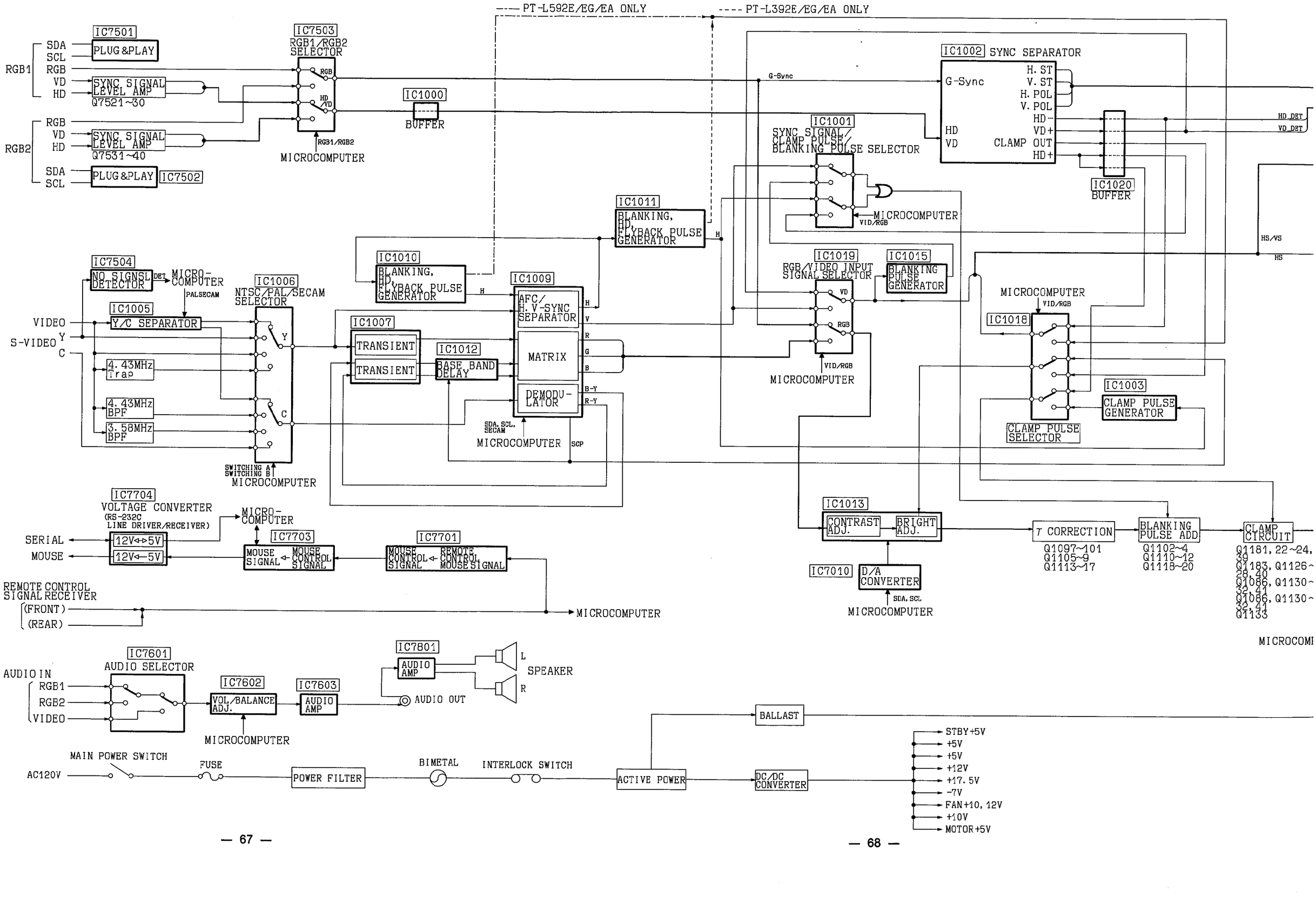
ZOOM SENSOR 2
ZOOM SENSOR 1
MOTOR FOR FOCUS
MOTOR FOR ZOOM

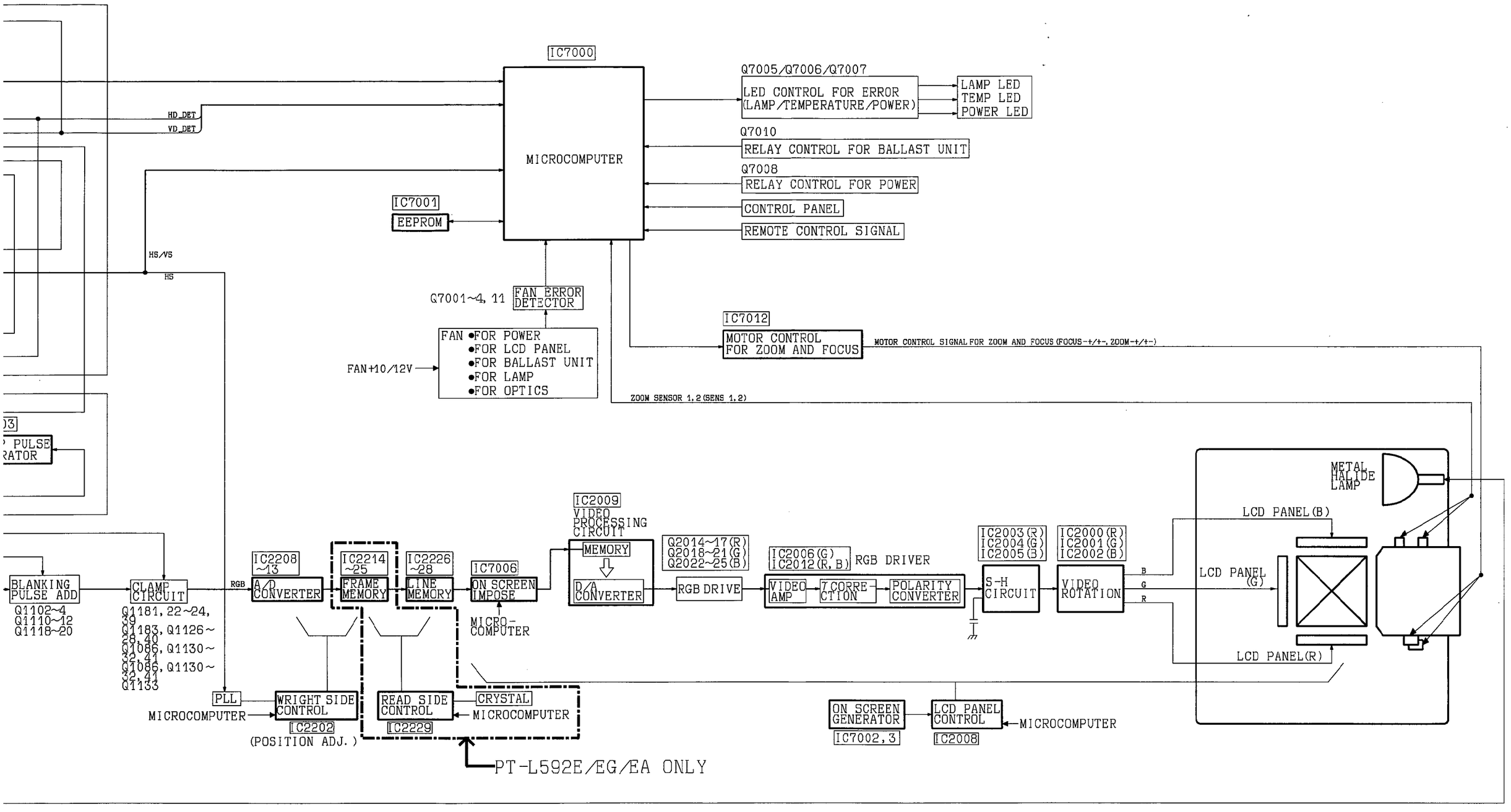
PT-L392E/EG/EA ONLY
PT-L592E/EG/EA ONLY

D-P. W. BOARD TNPA0665AC

-P. W. BOARD TNPA0669AA

SIGNAL BLOCK DIAGRAM




IC7000
MICROCOMPUTER
HD_DET
VD_DET
HS/VS
HS
IC7001
EEPROM
Q7005/Q7006/Q7007
LED CONTROL FOR ERROR (LAMP/TEMPERATURE/POWER)
LAMP LED
TEMP LED
POWER LED
Q7010
RELAY CONTROL FOR BALLAST UNIT
Q7008
RELAY CONTROL FOR POWER
CONTROL PANEL
REMOTE CONTROL SIGNAL
Q7001~4, 11
FAN ERROR DETECTOR
FAN +10/12V
FAN •FOR POWER
•FOR LCD PANEL
•FOR BALLAST UNIT
•FOR LAMP
•FOR OPTICS
IC7012
MOTOR CONTROL FOR ZOOM AND FOCUS
MOTOR CONTROL SIGNAL FOR ZOOM AND FOCUS (FOCUS-+/+-, ZOOM-+/+-)
ZOOM SENSOR 1,2 (SENS 1,2)
PULSE
RATOR
BLANKING PULSE ADD
Q1102~4
Q1110~12
Q1118~20
CLAMP CIRCUIT
Q1181, 22~24, 39
Q1183, Q1126~28, 40
Q1086, Q1130~32, 41
Q1086, Q1130~32, 41
Q1133
RGB
IC2208 ~13
A/D CONVERTER
IC2214 ~25
FRAME MEMORY
IC2226 ~28
LINE MEMORY
IC7006
ON SCREEN IMPOSE
MICRO-COMPUTER
IC2009
VIDEO PROCESSING CIRCUIT
MEMORY
D/A CONVERTER
Q2014~17(R)
Q2018~21(G)
Q2022~25(B)
RGB DRIVE
IC2006(G)
IC2012(R, B)
RGB DRIVER
VIDEO AMP
T CORRECTION
POLARITY CONVERTER
IC2003(R)
IC2004(G)
IC2005(B)
S-H CIRCUIT
IC2000(R)
IC2001(G)
IC2002(B)
VIDEO ROTATION
B
G
R
METAL HALIDE LAMP
LCD PANEL(B)
LCD PANEL (G)
LCD PANEL(R)
PLL
WRIGHT SIDE CONTROL
IC2202
(POSITION ADJ.)
MICROCOMPUTER
READ SIDE CONTROL
IC2229
CRYSTAL
MICROCOMPUTER
ON SCREEN GENERATOR
IC7002, 3
LCD PANEL CONTROL
IC2008
MICROCOMPUTER
PT-L592E/EG/EA ONLY

P-P. W. BOARD TNPA0669AA

K-P. W. BOARD TNPA0668AA

P1

L9201 TLPD002

BIMETAL TSEX0004

INTERLOCK SWITCH TSEX8005

K2

C9103 2200p

C9102 2200p

C9106 AC250V 0.47

C9105 AC250V 0.47

C9104 AC250V 0.47

L9102 TLPD002

R9101 470k 1/2W

R9102 6.2W

D9101 ERZV14D471

C9101 AC250V 0.22

JK9103 TJC6137

JK9101 TJC6137

JK9102 TJC6137

HOT

COLD

K1

MAIN POWER SWITCH /FUSE FOLDER TSEF8002

FUSE 125V 8A XBA2C40TRO

GND

AC INLET TJS5A9990

AC POWER CODE

TXFSX02VTHZ (PT-L592EG/PT-L392EG)

TXFSX02VTFZ (PT-L592E/PT-L592EA/ PT-L392E/PT-L392EA)

L9201 TLPD002

D9201 RBV-1306H

D9202 ERZV14D471

C9201 AC250V

C9203 4700p

C9204 4700p

C9205 4700p

C9206 630V2.2

T9201 TLPF088-2

L9202 EXCELDR35V

L9203 EXCELDR35V

C9207 220p 2kV

Q9201 2SK1936

Q9202 2SK1936

R9203 150 2W

R9204 82 1/2W

R9205 15 1/2W

R9206 82 1/2W

R9207 15 1/2W

D9206 TVSEG01

C9208 450V 150

C9232 450V 150

C9233 450V 150

C9212 1200p 1kV

D9203 FMLG16S

R9202 UN11010

D9204 TVSEG01

D9205 TVSEG01

R9215 0.1 10W

TVSEG01 D9207

D9208 TVSEG01

C9209 0.01

C9210 0.01

C9211 220

IC9203 AN78M24 AN78M20 20V(24V) STABILIZER

D9209 TVSEG01

R9208 27k

Q9203, Q9204 AMP FOR BALLAST DRIVE

Q9203 2SC2497A

Q9204 2SA1096A

R9216 47k 3W

R9217 10

D9211 MA723TA

R9215 4.7k

R9222 220k

D9213 MA4270M

C9217 680p

C9218 4700p

D9212 MA165

C9215 50V 2.2

C9214 330 35V

R9218 82

R9220 27.4k

R9221 10

IC9202 FA5331M REGULATOR

C9219 470p

C9220 100p

C9221 50V 1

C9227 680k

R9224 10k

R9223 270k

C9222 0.01

R9225 3.3k

R9226 1.8k

R9228 120k

R9209 120k

R9232 3.3k

R9233 1.1k

R9234 1M

R9235 39k

R9210 110k

R9211 120k

R9229 120k

R9230 100k

R9212 39k

R9231 39k

R9236 18k

TO BALLAST (B1)

P2

370 12

DC370V N.C H-CON N.C DC 12V

HOT

COLD

Q9201,Q9202 POWER ON/OFF FOR BALLAST UNIT

RL9201 TSE10821

R9201 6.8

MA165 D9310

MA165 D9311

JK9301 TJC6137

JK9302 TJC6137

D9222 TLP721FD4GR

Q9302 2SD601ATX

R9239 22

R9238 82k 3W

C9223 0.1

C9224 35V 470

C9225 1500p 1kV

R9240 1k

R9241 3.9k

D9210 TVSEU2

D9226 TVSEU2

C9231 25V 220

R9214 470 2W

R9213 470 2W

D9214 TVSEU2

D9215 AM01Z

R9242 3.3 3W

D9227 MA220W-B

R9243 8.2k

D9216 AM01Z

D9217 RH3FLFS1

R9244 100k 3W

C9226 0.015 6307

C9226 0.1

D9221 MA2160LFS

D9218 AM01Z

D9219 AM01Z

R9245 22 1W

L9204 EXCELDR35V

R9246 1k

R9308 220

C9227 16V220

D9220 TVSEU2

L9205 EXCELDR35V

R9247 0.68 2W

C9229 1200p 1kV

R9248 100

D9223 TLP721FD4GR

IC9201 STRS6707F953 SWITCHING REGULATOR

HIGH VOLTAGE DETECT

R9254 1k

R9255 1k

IC9205 SE005NLF-4

Q9205 2SD601ATX

R9250 120k 1%

R9251 120k 1%

R9252 120k 1%

R9253 44.2k 1%

C9234 50V 3.3

R9256 5.6k 1%

R9257 4.7k

R9258 10

C9213 0.01

D9224 TLP721FD4GR

D9225 TLP721FD4GR

TPP95G

C9308 0.22

C9309 3.3k

C9330 1kV 100p

C9331 1kV 100p

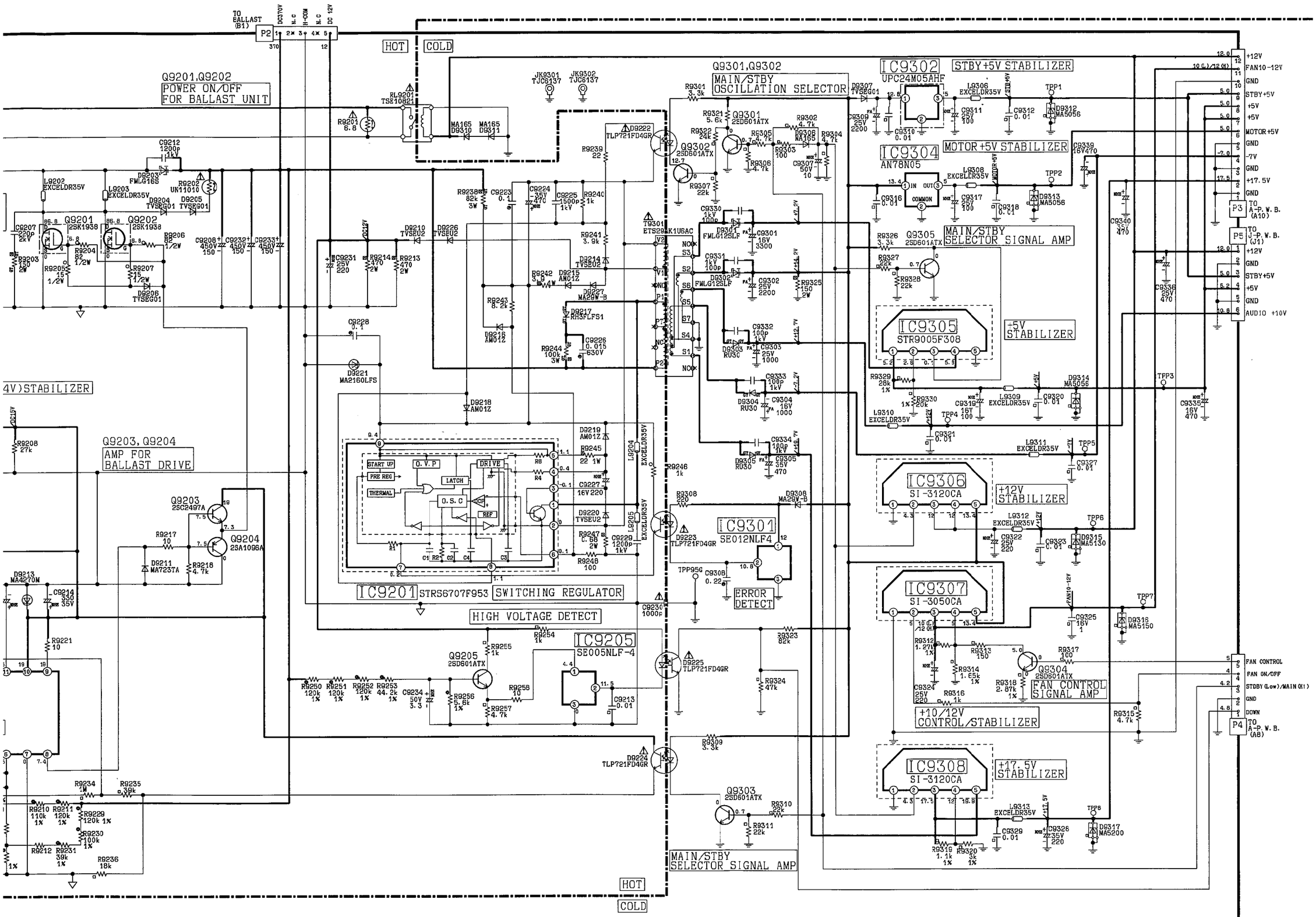
T9301 ETS29AK1U6AC

D9301 FMLG12SL

D9302 FMLG12SLF

C9230 1000p

MAIN/STBY SELECTOR


TO BALLAST (B1)
P2
DC370V
N.C
H-COM
N.C
DC 12V
HOT
COLD
Q9201,Q9202
POWER ON/OFF FOR BALLAST UNIT
Q9201 2SK1938
Q9202 2SK1938
Q9203,Q9204
AMP FOR BALLAST DRIVE
Q9203 2SC2497A
Q9204 2SA1096A
Q9301,Q9302
MAIN/STBY OSCILLATION SELECTION
Q9301 2SD601ATX
Q9302 2SD601ATX
IC9302
UPC24M05AHF
STBY+5V STABILIZER
IC9304
AN78N05
MOTOR+5V STABILIZER
Q9305 2SD601ATX
MAIN/STBY SELECTOR SIGNAL AMP
IC9305
STR9005F308
+5V STABILIZER
IC9306
SI-3120CA
+12V STABILIZER
IC9307
SI-3050CA
+10/12V CONTROL/STABILIZER
IC9308
SI-3120CA
+17.5V STABILIZER
IC9201 STR56707F953 SWITCHING REGULATOR
HIGH VOLTAGE DETECT
IC9205
SE005NLF-4
Q9205 2SD601ATX
IC9301
SE012NLF4
ERROR DETECT
Q9303 2SD601ATX
MAIN/STBY SELECTOR SIGNAL AMP
Q9304 2SD601ATX
FAN CONTROL SIGNAL AMP
START UP
PRE REG
THERMAL
O.V.P
LATCH
O.S.C
DRIVE
REF
+12V
FAN10-12V
GND
STBY+5V
+5V
MOTOR+5V
-7V
+17.5V
AUDIO +10V
TO A-P.W.B. (A10)
TO J-P.W.B. (J1)
TO A-P.W.B. (A8)
FAN CONTROL
FAN ON/OFF
STDBY(Low)/MAIN(Hi)
DOWN

PT-L592E·EG·EA/PT-L392E·EG·EA PT-L592E·EG·E

J-P.W.BOARD TXN/J1VTFZ (PT-L592E/EG/EA)
TXN/J1VTGZ (PT-L392E/EG/EA)

R-P.W.E

JK7501 RGB1 IN

JK7502 RGB2 IN

JK7503 TJS2A9010 S-VIDEC IN

JK7504 TJBA071 VIDEO & AUDIO IN

JK7505 TJS9A8061 RGB1 AUDIO IN

JK7506 TJS9A8061 RGB2 AUDIO IN

JK7507 SERIAL

JK7508 TJSF21513 MOUSE

JK7509 TJS8A8061 AUDIO OUT

Q7521~Q7530 RGB1 SYNC SIGNAL LEBEL ADJ.

Q7531~Q7540 RGB2 SYNC SIGNAL LEBEL ADJ.

IC7501 24LC21T-I/SN PLUG & PLAY

IC7502 24LC21T-I/SN PLUG & PLAY

IC7503 BA7657F RGB1/2 INPUT SIGNAL SELECTOR

IC7504 NJM2229M-TE1 NO SIGNAL DETECT

IC7601 MC14052BF AUDIO IN SELECTOR

IC7602 M51132L VOL/BALANCE ADJ.

IC7603 XRA15218F AMP

IC7701 TWM700016010 REMOTE CONTROL MOUSE SIGNAL CONVERT MOUSE CONTROL SIGNAL

IC7702 MN1382R RESET

IC7703 TWM700015010 MOUSE CONTROL SIGNAL CONVERT MOUSE SIGNAL

IC7704 UPD4721GS 5V↔12V VOLTAGE CONVERTER

IC7801 AN7147N AUDIO AMP

Q7704 IMPEADANCE CONVERTER

Q7705 MOUSE CONTROL SIGNAL INVERTER

Q7706 SERIAL MOUSE DISCRIMINATE SIGNAL INVERTER

Q7752 INVERTER

Q7602 INVERTER

Q7601 INVERTER

Q7603 MUTE

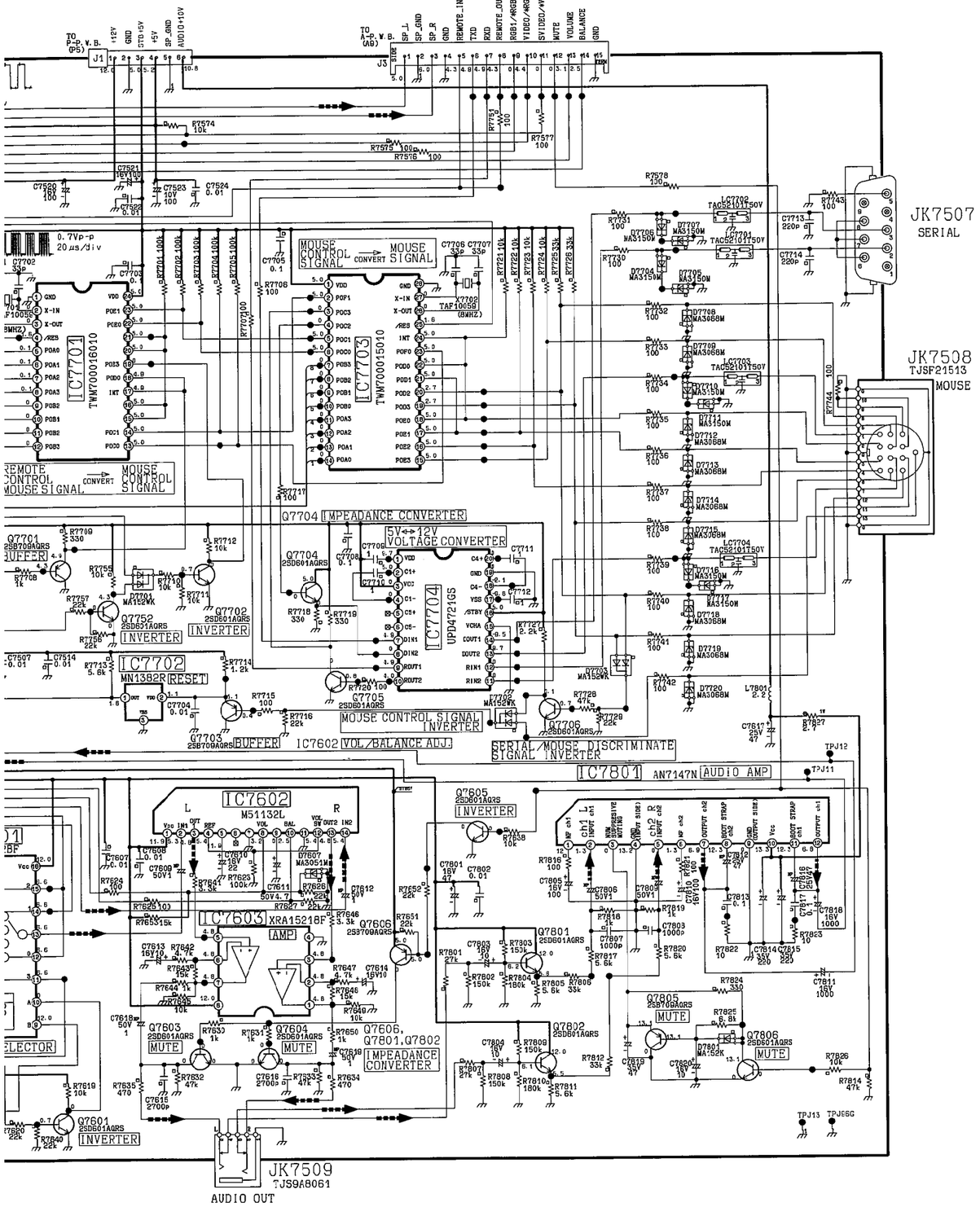
Q7604 MUTE

Q7805 MUTE

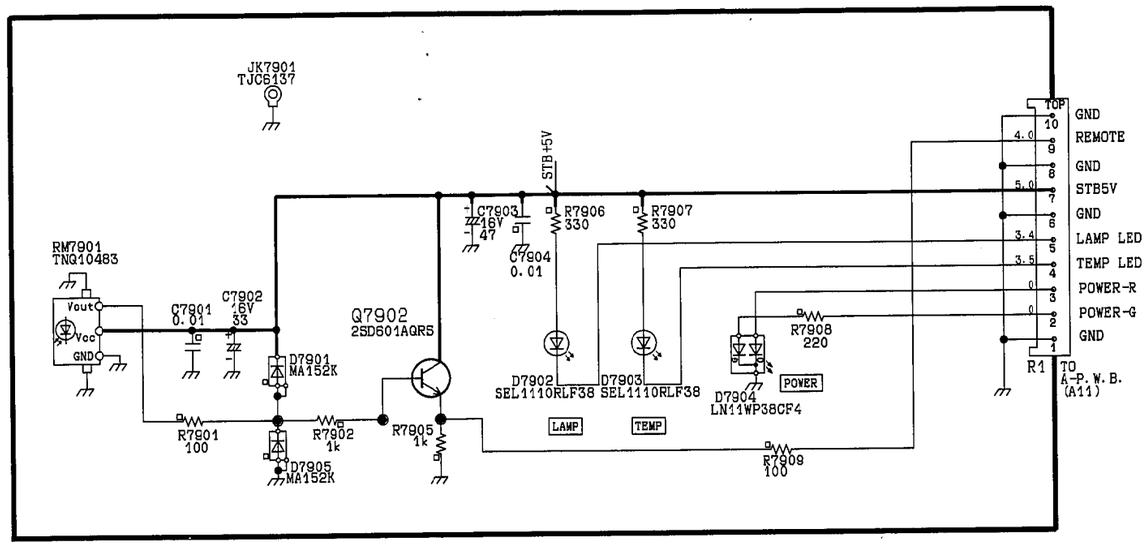
Q7806 MUTE

Q7506, Q7801, Q7802 IMPEADANCE CONVERTER

RM7901 TNQ10483

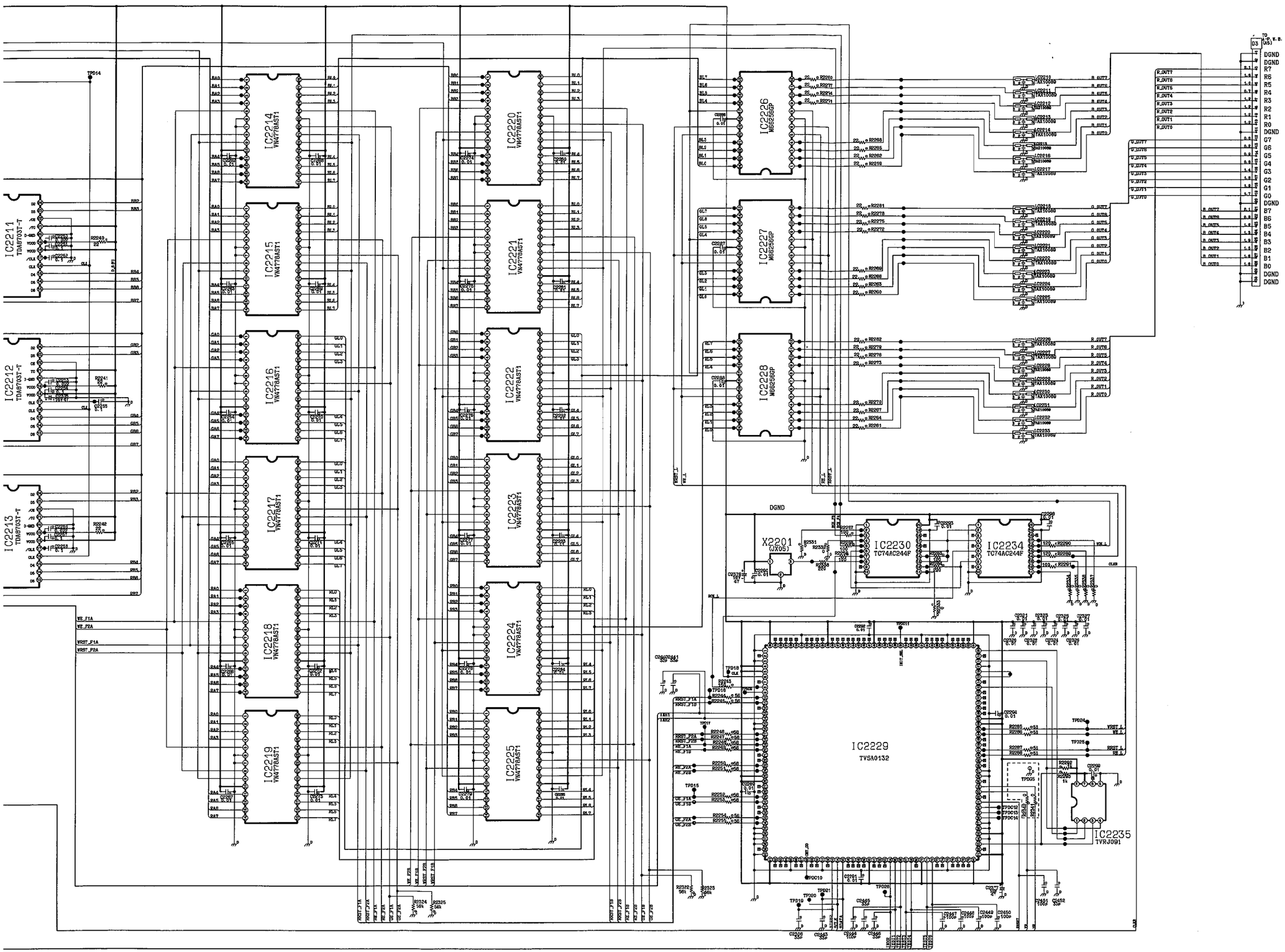


R-P. W. BOARD THPA0674AA



S-P. W. BOARD THPA0673AA

D-P. W. BOARD
TNPA0665AC
(PT-L592E/EG/EA ONLY)


IC2211
TDA8703T-T
IC2212
TDA8703T-T
IC2213
TDA8703T-T
IC2214
VN4778AST1
IC2215
VN4778AST1
IC2216
VN4778AST1
IC2217
VN4778AST1
IC2218
VN4778AST1
IC2219
VN4778AST1
IC2220
VN4778AST1
IC2221
VN4778AST1
IC2222
VN4778AST1
IC2223
VN4778AST1
IC2224
VN4778AST1
IC2225
VN4778AST1
IC2226
M66256GP
IC2227
M66256GP
IC2228
M66256GP
IC2229
TVSA0132
IC2230
TC74AC244F
IC2234
TC74AC244F
IC2235
TVRJ091
X2201
(JX05)
DGND
WE_F1A
WE_F2A
WRST_F1A
WRST_F2A
R_OUT7
R_OUT6
R_OUT5
R_OUT4
R_OUT3
R_OUT2
R_OUT1
R_OUT0
G_OUT7
G_OUT6
G_OUT5
G_OUT4
G_OUT3
G_OUT2
G_OUT1
G_OUT0
B_OUT7
B_OUT6
B_OUT5
B_OUT4
B_OUT3
B_OUT2
B_OUT1
B_OUT0
D3
DGND
DGND
R7
R6
R5
R4
R3
R2
R1
R0
DGND
G7
G6
G5
G4
G3
G2
G1
G0
DGND
B7
B6
B5
B4
B3
B2
B1
B0
DGND
DGND

F-P. W. BOARD TNPA0670AC (PT-L592E/EG/EA) / TNPA0670AD (PT-L392E/EG/EA)

	VIDEO						S-VIDEO					
	NTSC	PAL	SECAM	M-NTSC	SEARCH	BRACKWHITE	NTSC	PAL	SECAM	M-NTSC	SEARCH	BRACKWHITE
SWA	0	0	1	1	0	0	1	1	1	1	1	1
SWB	1	1	0	0	0	0	1	1	1	1	1	1
PALSECAM	1	0	0	1	1	1	1	0	0	1	1	1
SECAM	0	0	1	0	1	0	0	0	1	0	1	0

Q1018, Q1019 FOUR VIDEO SYSTEMS SELECT SIGNAL INVERTER

Q1020, Q1021 VIDEO/RGB SELECT SIGNAL INVERTER

Q1024, Q1025 Y/COMPOSITE SIGNAL AMP

Q1028 C-SIGNAL AMP

Q1040, Q1041 SIGNAL AMP

IC1004 +9V STABILIZER AN78N09

IC1005 MN8236 DIGITAL Y/C SEPARATE

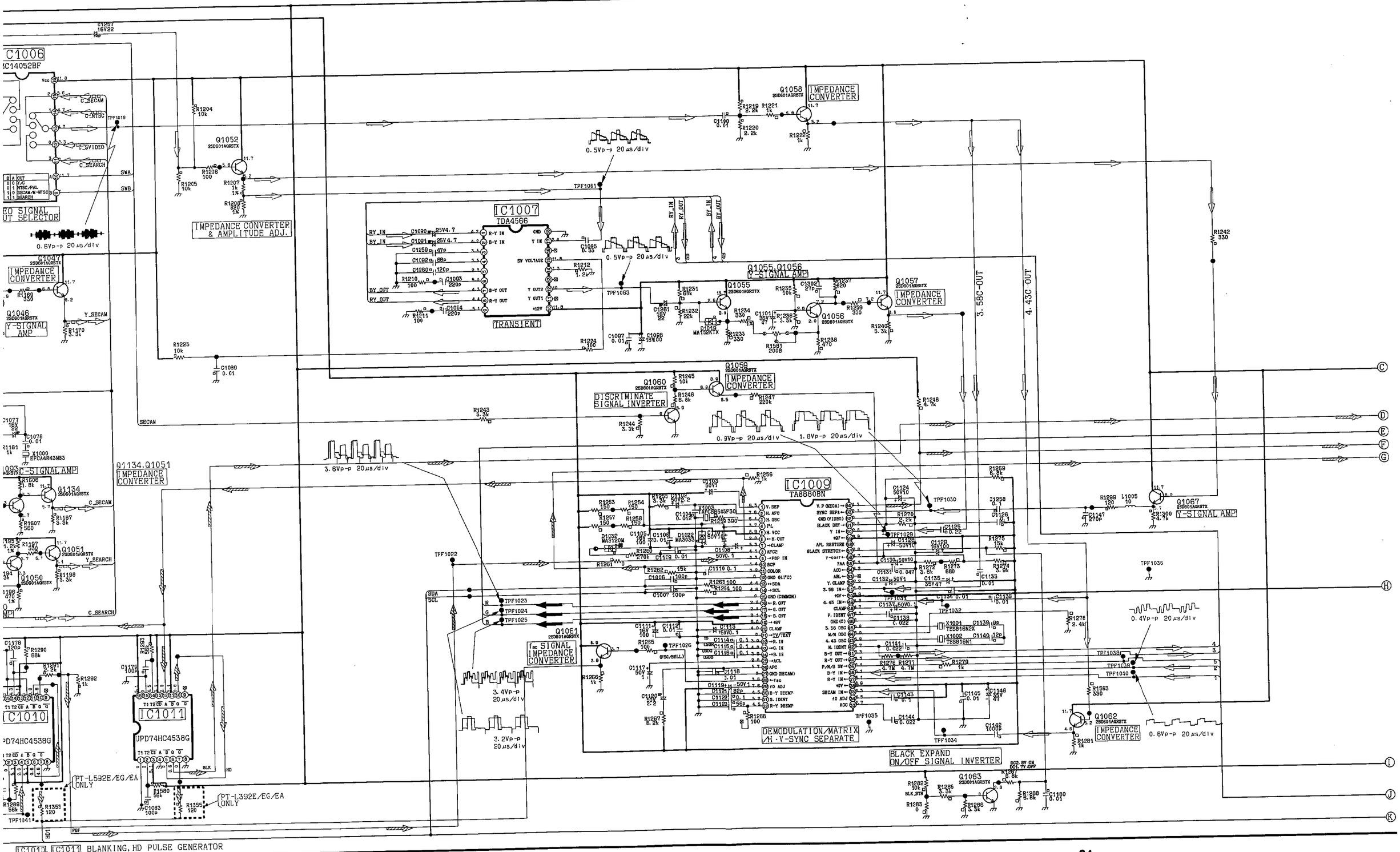
IC1006 MC14052BF VIDEO SIGNAL INPUT SELECTOR

IC1010 UPD74HC4538G

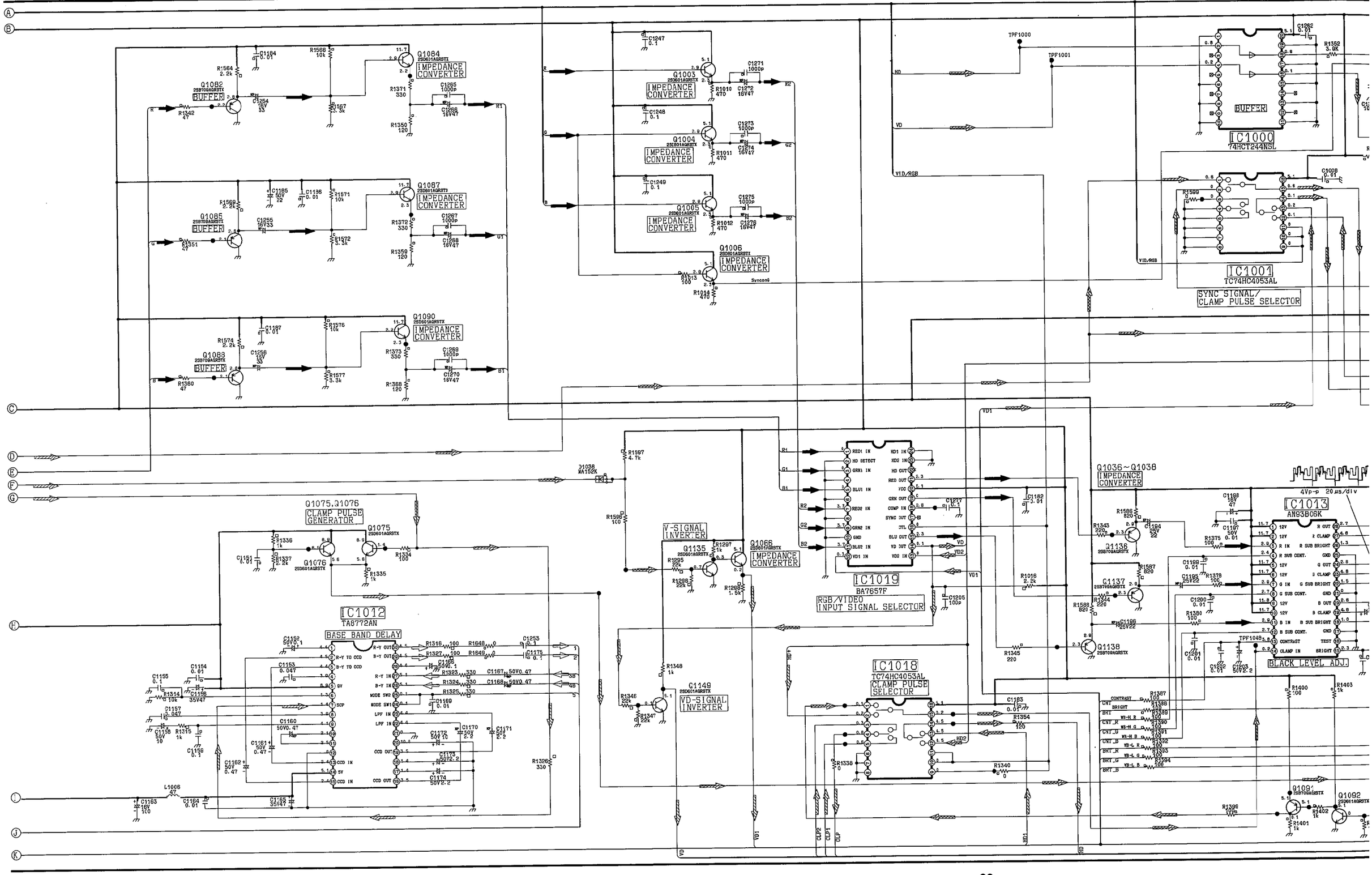
IC1011 UPD74HC4538

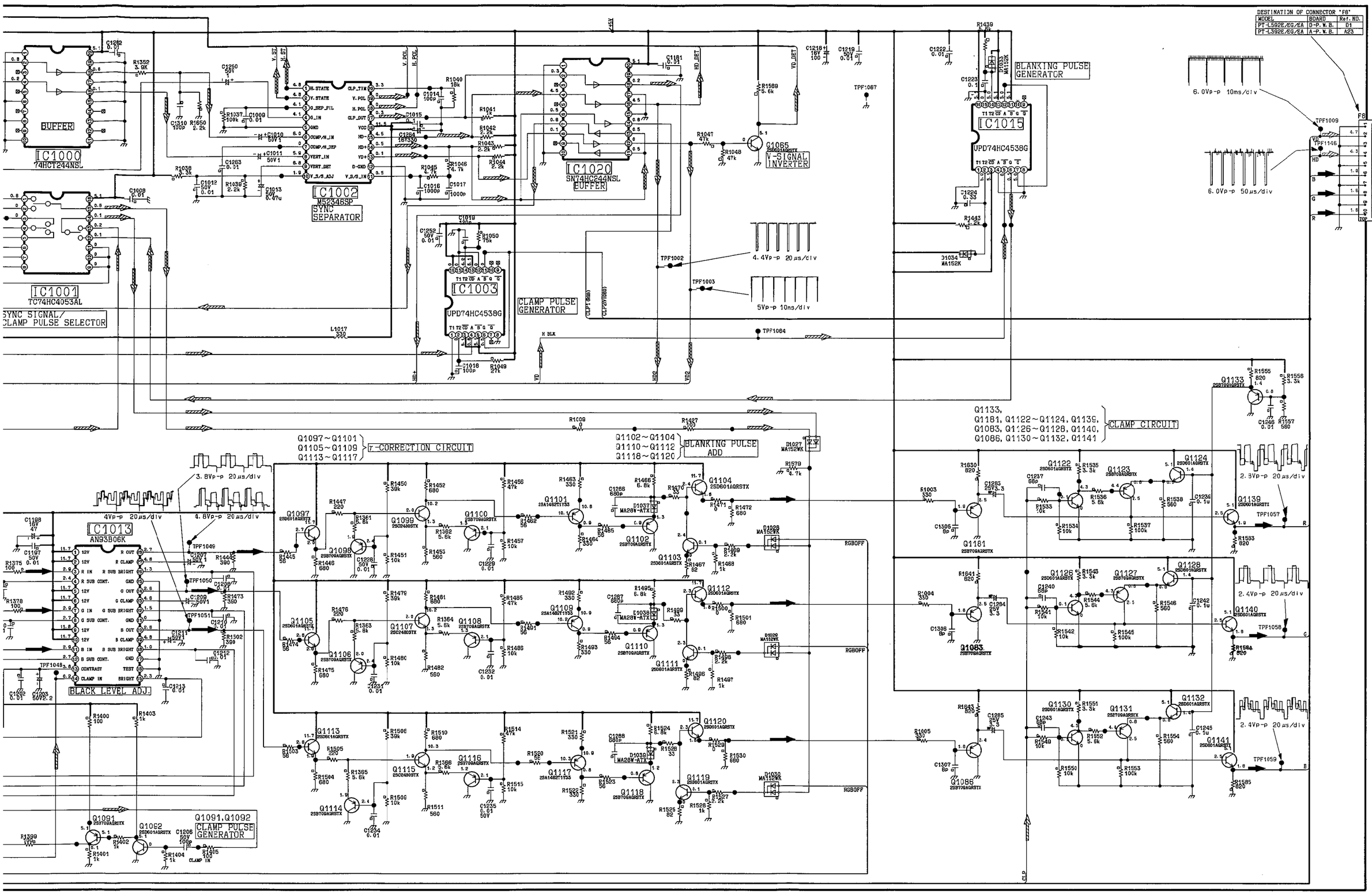
PT-L592E/EG/EA ONLY

IC1010, IC1011 BLANKING, HD PULSE GE

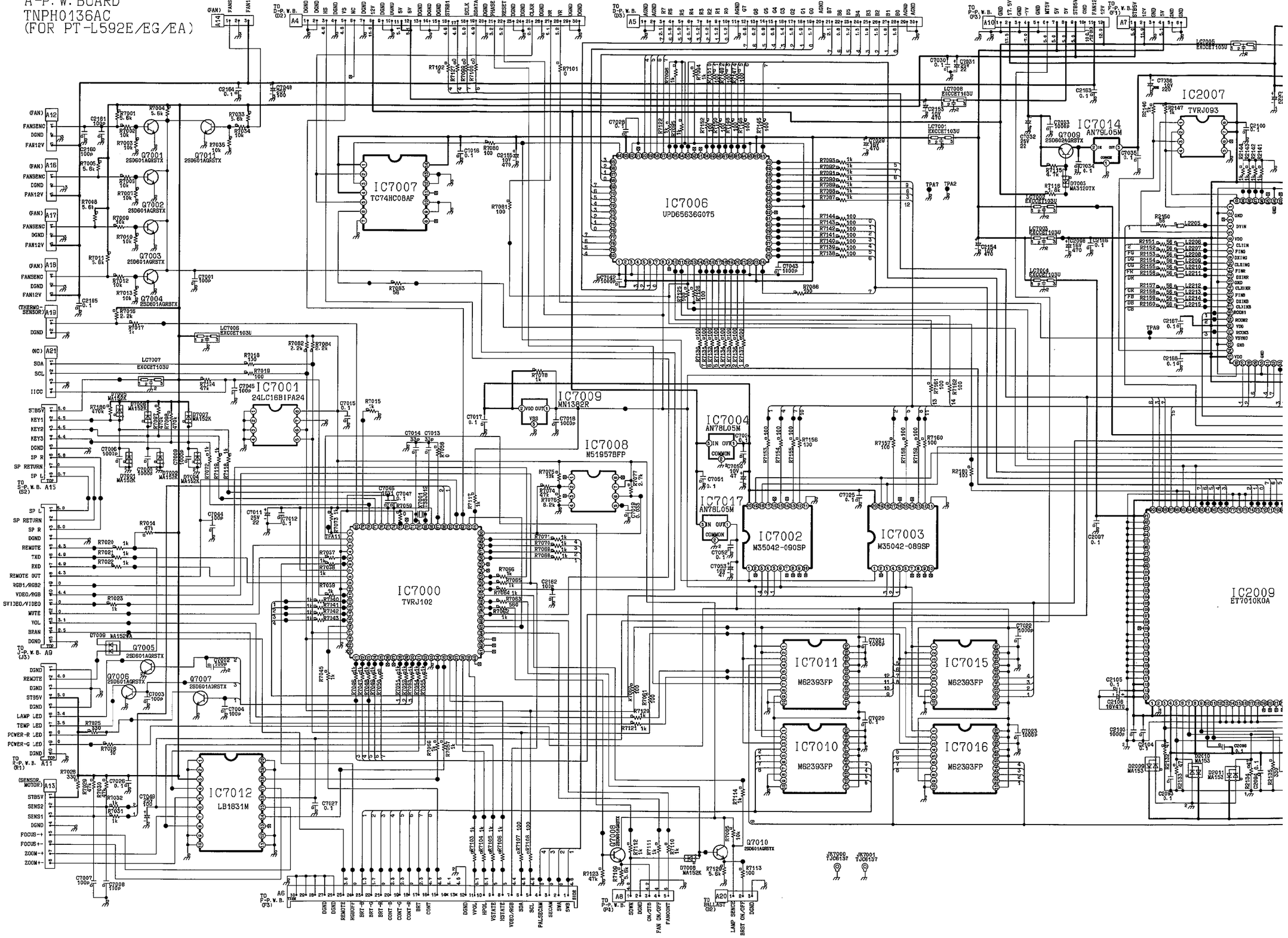


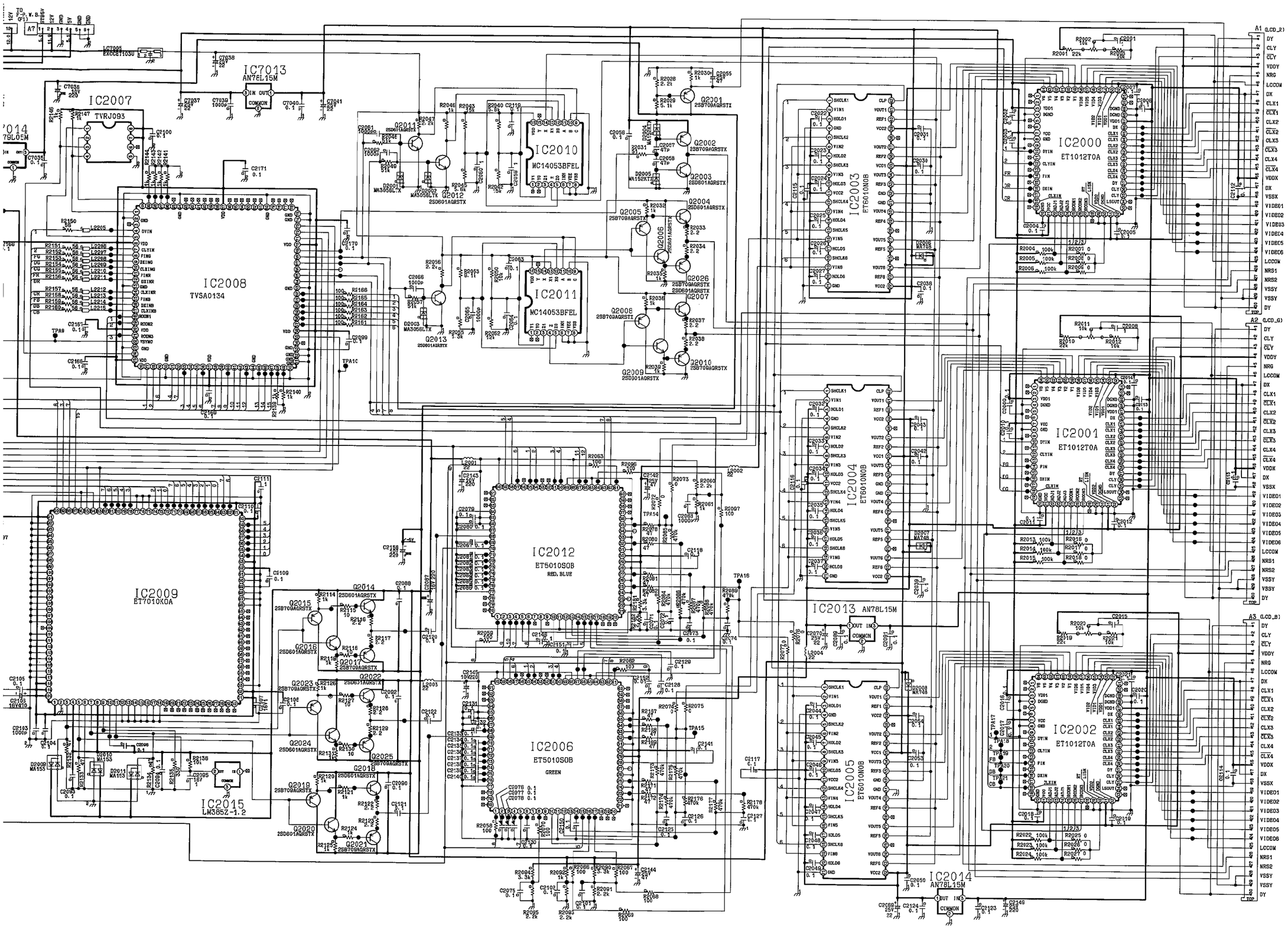
IC1010, IC1011 BLANKING, HD PULSE GENERATOR


Q1084 2SD601AQRSTX IMPEDANCE CONVERTER
Q1082 2SB709AQRSTX BUFFER
Q1087 2SD601AQRSTX IMPEDANCE CONVERTER
Q1085 2SB709AQRSTX BUFFER
Q1090 2SD601AQRSTX IMPEDANCE CONVERTER
Q1088 2SB709AQRSTX BUFFER
Q1003 IMPEDANCE CONVERTER
Q1004 IMPEDANCE CONVERTER
Q1005 IMPEDANCE CONVERTER
Q1006 IMPEDANCE CONVERTER
TPF1000
TPF1001
HD
VD
VID/RGB
IC1000 74HCT244NSL
BUFFER
IC1001 TC74HC4053AL
SYNC SIGNAL/ CLAMP PULSE SELECTOR
Q1075,Q1076 CLAMP PULSE GENERATOR
Q1075 2SD601AQRSTX
Q1076 2SD601AQRSTX
IC1012 TA8772AN
BASE BAND DELAY
V-SIGNAL INVERTER
Q1135 2SD601AQRSTX
Q1066 2SD601AQRSTX IMPEDANCE CONVERTER
VD-SIGNAL INVERTER
Q1149 2SD601AQRSTX
IC1019 BA7657F
RGB/VIDEO INPUT SIGNAL SELECTOR
IC1018 TC74HC4053AL CLAMP PULSE SELECTOR
Q1036~Q1038 IMPEDANCE CONVERTER
Q1136 2SB709AQRSTX
Q1137 2SB709AQRSTX
Q1138 2SB709AQRSTX
IC1013 AN93B06K
BLACK LEVEL ADJ.
Q1091 2SB709AQRSTX
Q1092 2SD601AQRSTX
4Vp-p 20μs/div

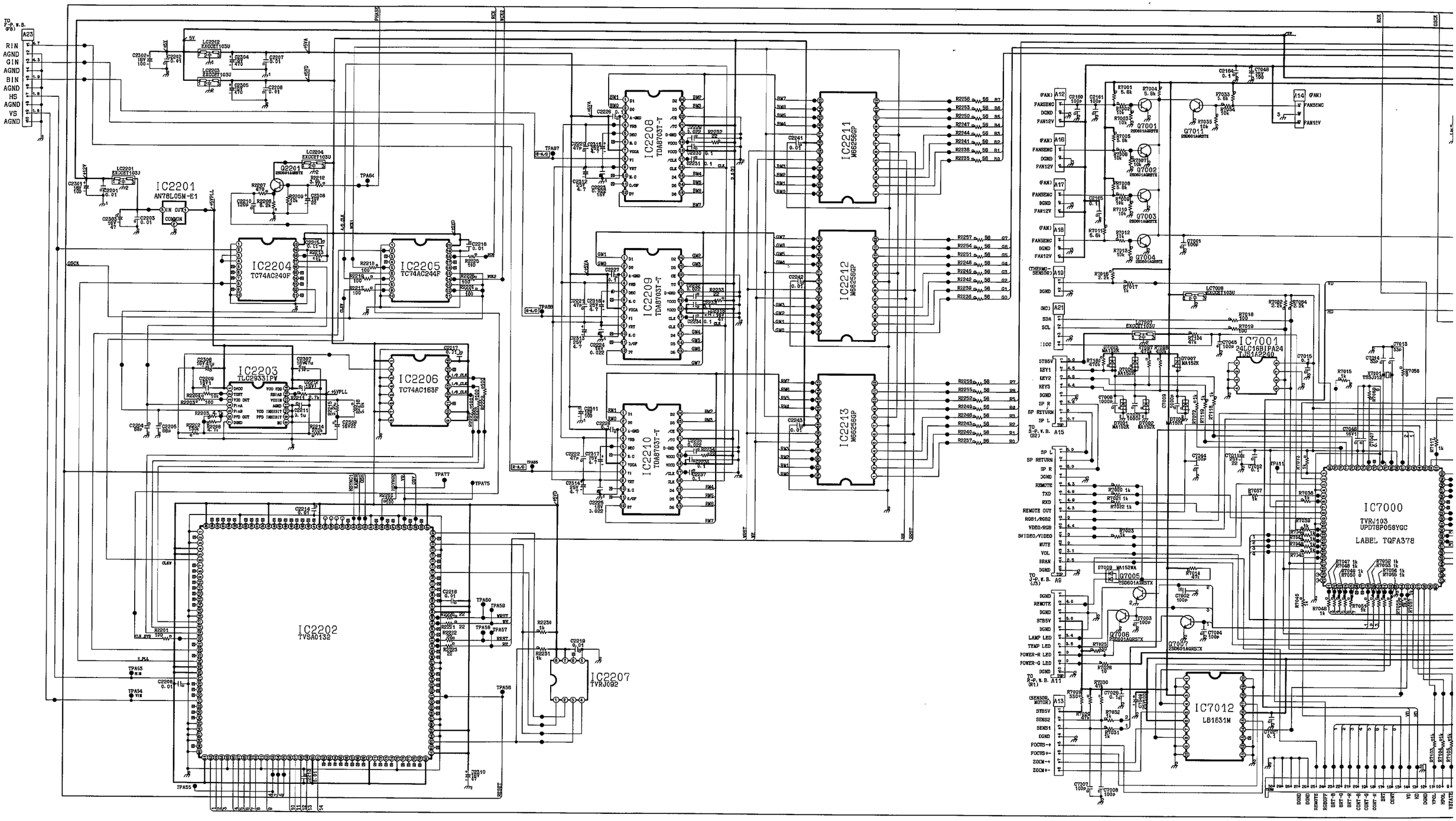

IC1000
74HCT244NSL
BUFFER
IC1001
TC74HC4053AL
SYNC SIGNAL/
CLAMP PULSE SELECTOR
IC1002
M52346SP
SYNC
SEPARATOR
IC1003
UPD74HC4538G
CLAMP PULSE
GENERATOR
IC1020
SN74HC244NSL
BUFFER
IC1013
AN93B06K
BLACK LEVEL ADJ.
IC1015
UPD74HC4538G
BLANKING PULSE
GENERATOR
V-SIGNAL
INVERTER
Q1065
2SD601AQRSTX
Q1097~Q1101
Q1105~Q1109
Q1113~Q1117
γ-CORRECTION CIRCUIT
Q1102~Q1104
Q1110~Q1112
Q1118~Q1120
BLANKING PULSE
ADD
Q1133,
Q1181, Q1122~Q1124, Q1139,
Q1083, Q1126~Q1128, Q1140,
Q1086, Q1130~Q1132, Q1141
CLAMP CIRCUIT
Q1091,Q1092
CLAMP PULSE
GENERATOR
DESTINATION OF CONNECTOR "F8"
MODEL | BOARD | Ref. NO.
PT-L592E/EG/EA | D-P.W.B. | D1
PT-L392E/EG/EA | A-P.W.B. | A23
6.0Vp-p 10ms/div
6.0Vp-p 50μs/div
4.4Vp-p 20μs/div
5Vp-p 10ns/div
3.8Vp-p 20μs/div
4Vp-p 20μs/div
4.8Vp-p 20μs/div
2.8Vp-p 20μs/div
2.4Vp-p 20μs/div
2.4Vp-p 20μs/div
RGBOFF
RGBOFF
RGBOFF

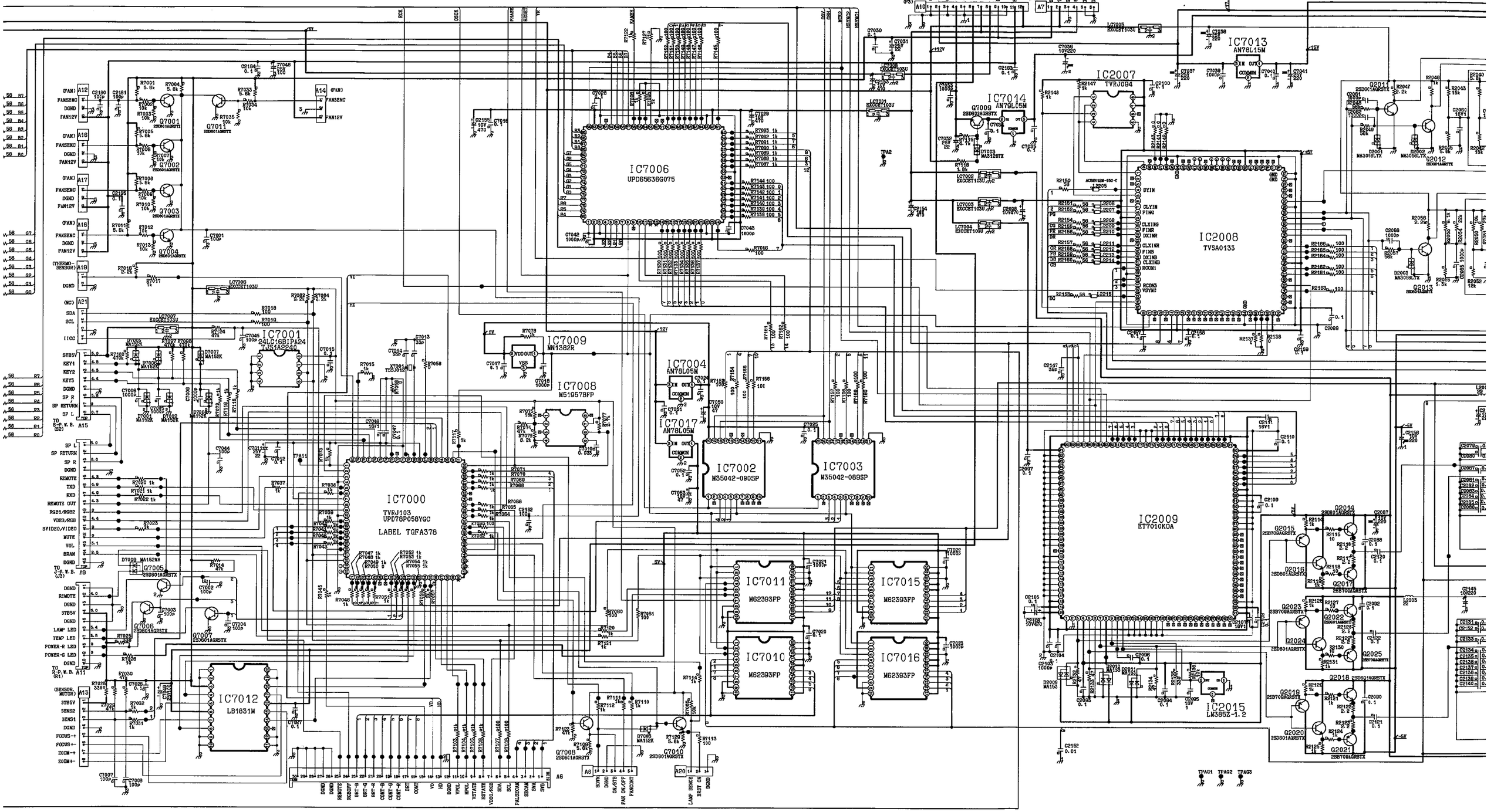
A-P. W. BOARD
TNPH0136AC
(FOR PT-L592E/EG/EA)




IC2007
TVRJ093
IC7013
AN78L15M
IC2008
TVSA0134
IC2009
ET7010K0A
IC2010
MC14053BFEL
IC2011
MC14053BFEL
IC2012
ET5010S0B
RED, BLUE
IC2006
ET5010S0B
GREEN
IC2015
LM385Z-1.2
IC2003
ET6010N0B
IC2004
ET6010N0B
IC2005
ET6010N0B
IC2013 AN78L15M
IC2014
AN78L15M
IC2000
ET1012T0A
IC2001
ET1012T0A
IC2002
ET1012T0A
(LCD_R)
(LCD_G)
(LCD_B)
DY
CLY
CLY
VDDY
NRG
LCCOM
DX
CLX1
CLX1
CLX2
CLX2
CLX3
CLX3
CLX4
CLX4
VDDX
DX
VSSX
VIDEO1
VIDEO2
VIDEO3
VIDEO4
VIDEO5
VIDEO6
LCCOM
NRS1
NRS2
VSSY
VSSY
DY

A-P. W. BOARD TNPH0137AA (FOR PT-L392E/EG/EA)




IC7000
TVRVJ103
UPD78P058YGC
LABEL TQFA378
IC7001
24LC16BIP24
TJS1A4240
IC7002
M35042-090SP
IC7003
M35042-089SP
IC7004
AN78L05M
IC7005
AN78L05M
IC7006
UPD65636G075
IC7007
EXCCET103U
IC7008
M51957BFP
IC7009
NN1382R
IC7010
M62393FP
IC7011
M62393FP
IC7012
LB1631M
IC7013
AN78L15M
IC7014
AN79L05M
IC7015
M62393FP
IC7016
M62393FP
IC7017
AN78L05M
IC2007
TVRVJ094
IC2008
TVSA0133
IC2009
E17010K0A
IC2015
LM385Z-1.2
Q7001
2SD601AQRSTX
Q7002
2SD601AQRSTX
Q7003
2SD601AQRSTX
Q7004
2SD601AQRSTX
Q7005
2SD601AQRSTX
Q7006
2SD601AQRSTX
Q7007
2SD601AQRSTX
Q7008
2SD601AQRSTX
Q7009
2SD601AQRSTX
Q7010
2SD601AQRSTX
Q7011
2SD601AQRSTX
Q2011
2SD601AQRSTX
Q2012
2SD601AQRSTX
Q2013
2SD601AQRSTX
Q2014
2SD601AQRSTX
Q2015
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Q2016
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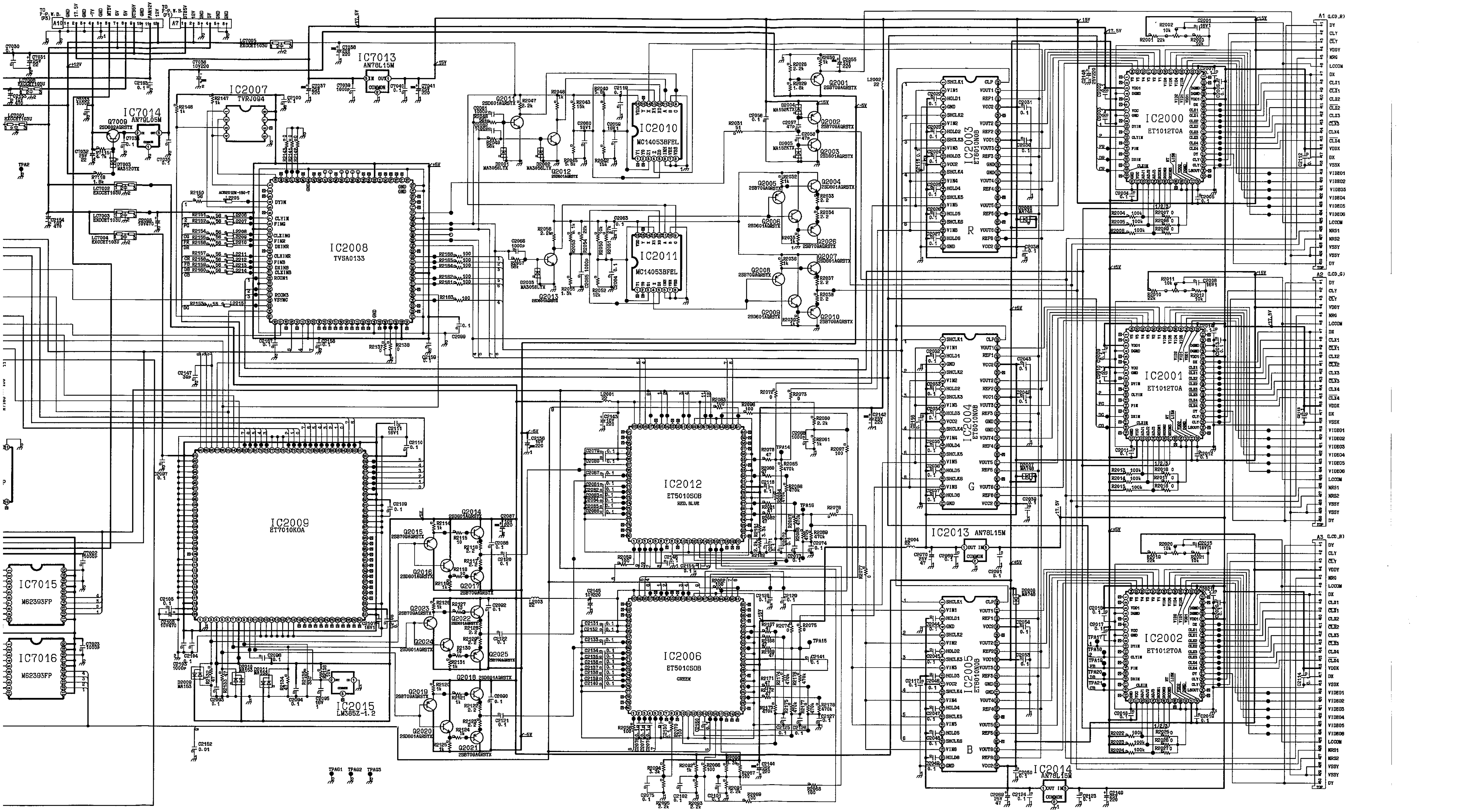
Q2017
2SB709AQRSTX
Q2018
2SD601AQRSTX
Q2019
2SB709AQRSTX
Q2020
2SD601AQRSTX
Q2021
2SB709AQRSTX
Q2022
2SD601AQRSTX
Q2023
2SB709AQRSTX
Q2024
2SD601AQRSTX
Q2025
2SB709AQRSTX
TO W.B. A15
TO R-P.W.B. A11
TO S.P.W.B. A9
TO W.B. A10
TO W.B. A7
TPA1
TPA2
TPA3


IC2000
ET1012TOA
IC2001
ET1012TOA
IC2002
ET1012TOA
IC2003
ET6010N0B
IC2004
ET6010N0B
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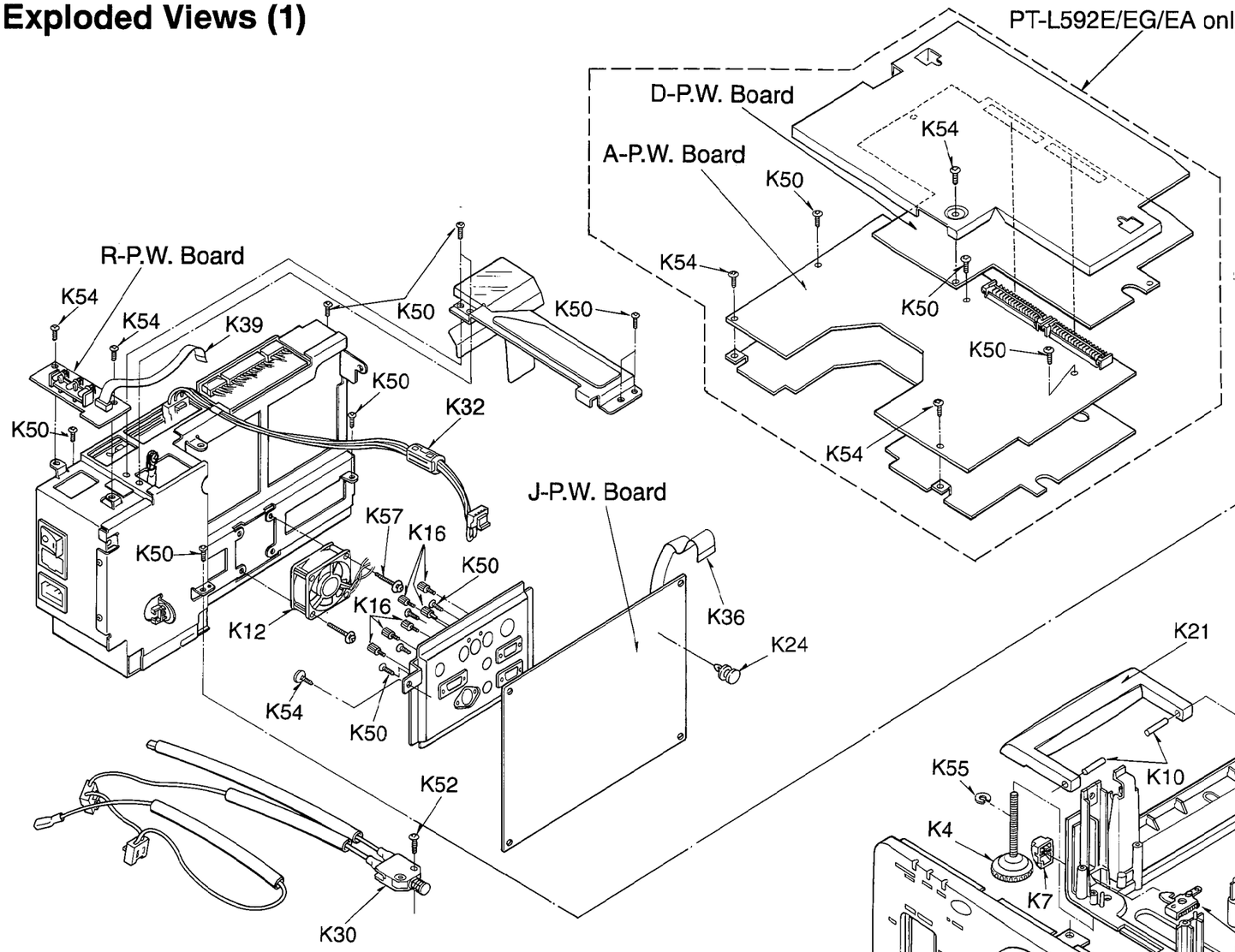
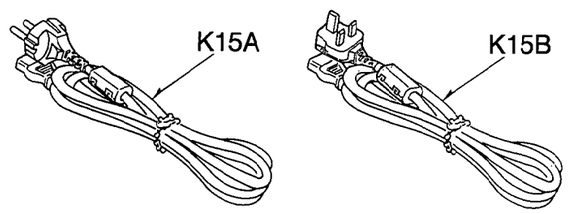
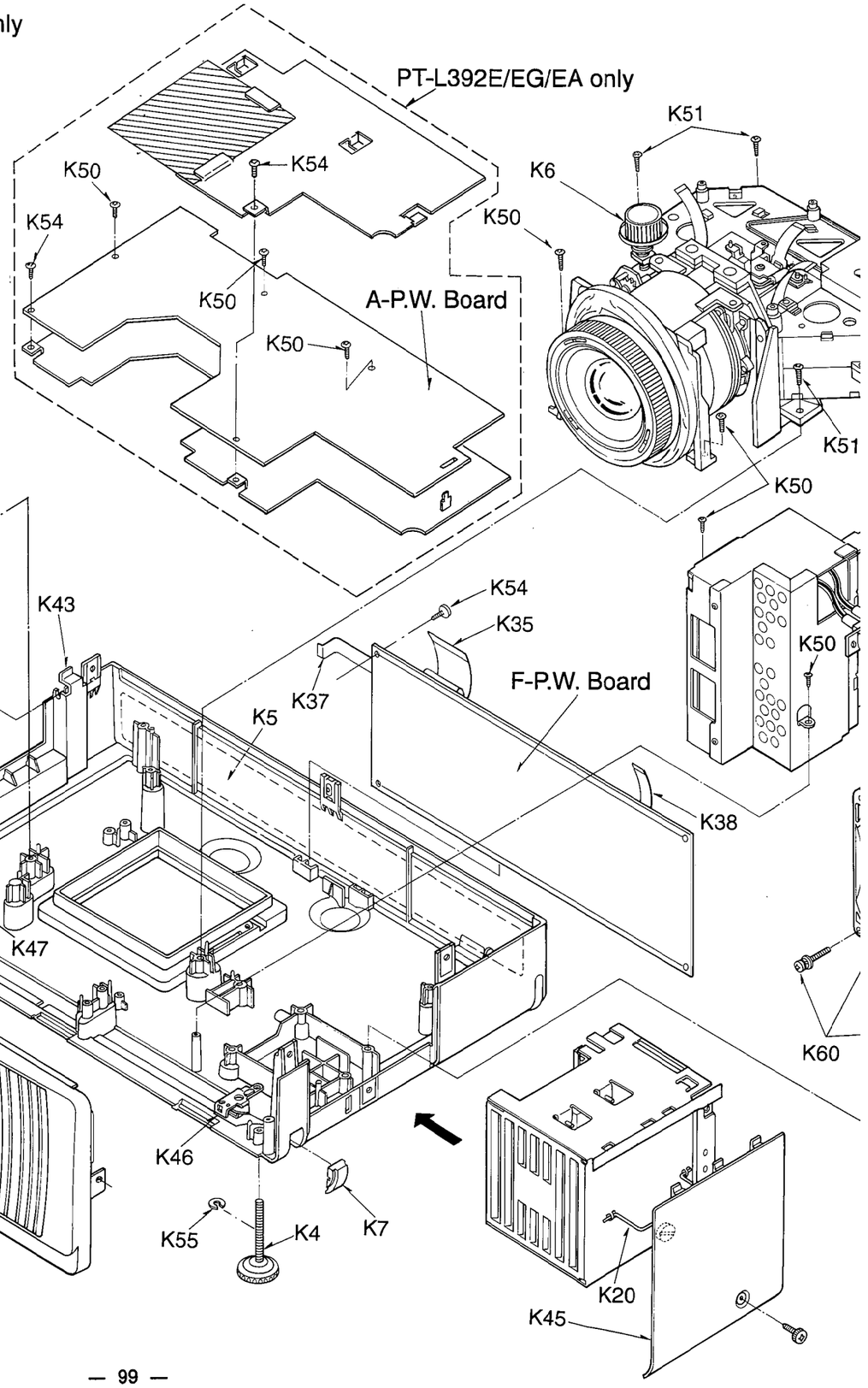
IC2006
ET5010S0B
GREEN
IC2007
TVRJ094
IC2008
TVSA0133
IC2009
ET7010KOA
IC2010
MC14053BFEL
IC2011
MC14053BFEL
IC2012
ET5010S0B
RED, BLUE
IC2013
AN78L15M
IC2014
AN78L15M
IC2015
LM385Z-1.2
IC7013
AN78L15M
IC7014
AN79L05M
IC7015
M62393FP
IC7016
M62393FP
TO P-P.W.B. (P5)
A10
GND
17.5V
GND
-7V
GND
MT5V
5V
5V
STB5V
GND
FAN12V
12V
TO F-P.W.B. (F1)
A7
STB5V
12V
GND
5V
GND
GND
A1 (LCD_R)
A2 (LCD_G)
A3 (LCD_B)
DY
CLY
VDDY
NRG
LCCOM
DX
CLX1
CLX2
CLX3
CLX4
VDDX
VSSX
VIDEO1
VIDEO2
VIDEO3
VIDEO4
VIDEO5
VIDEO6
NRS1
NRS2
VSSY
R
G
B
TPAG1
TPAG2
TPAG3

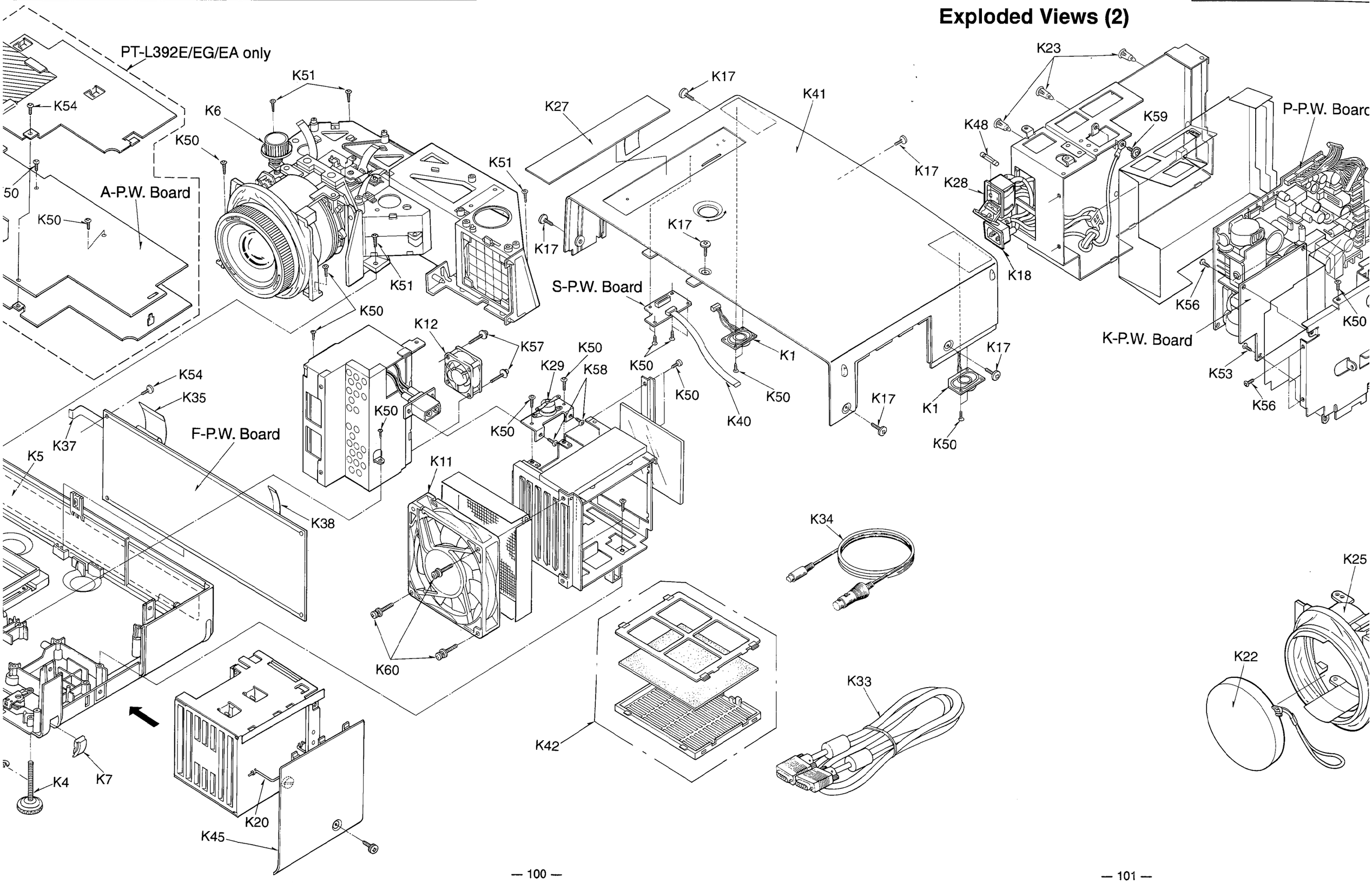
Exploded Views (1)



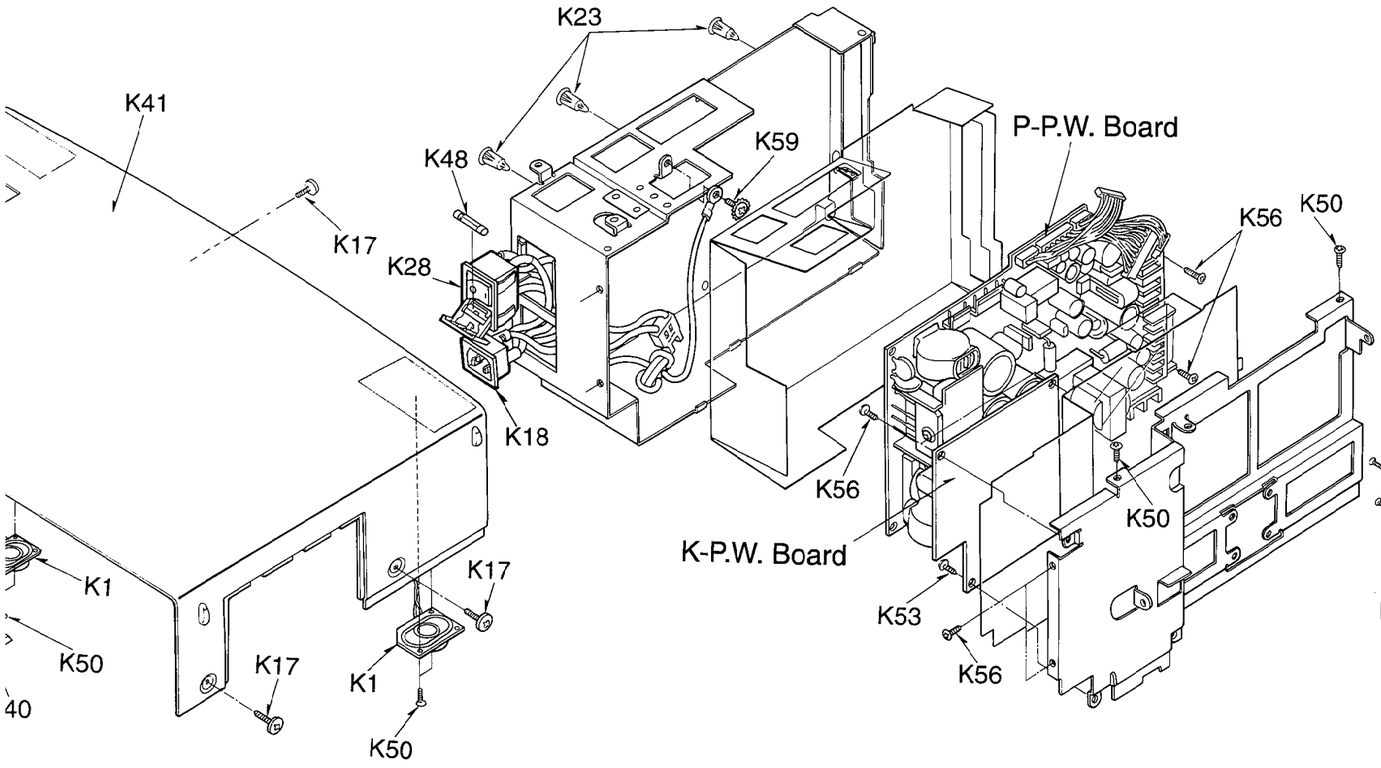


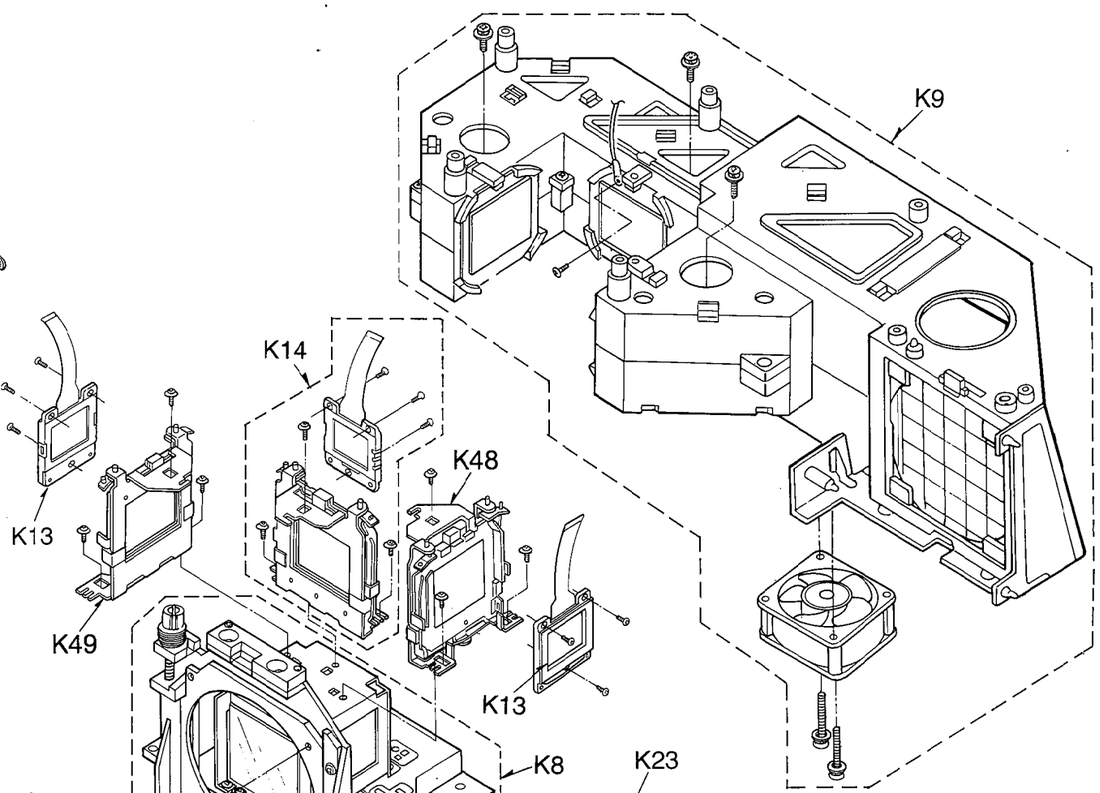


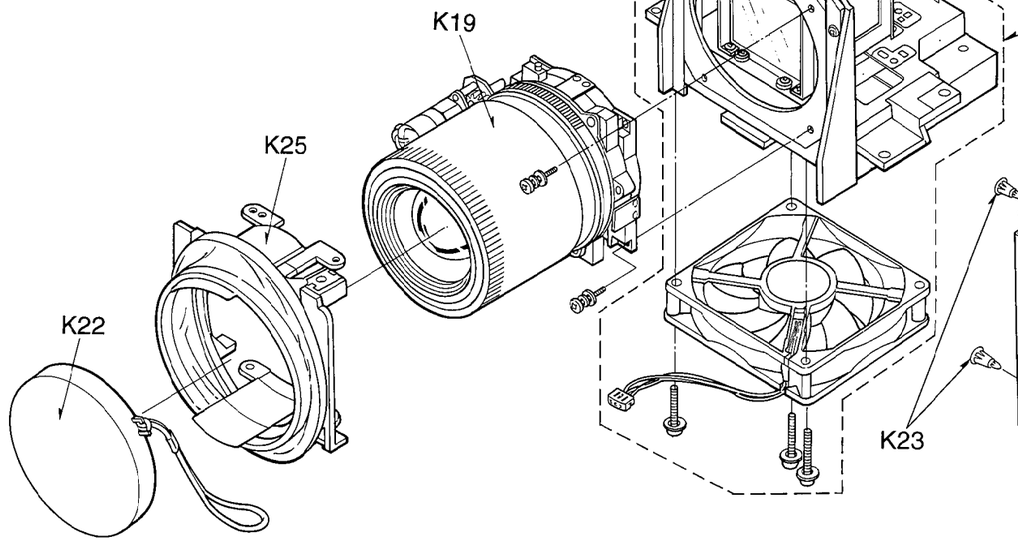
Exploded Views (2)

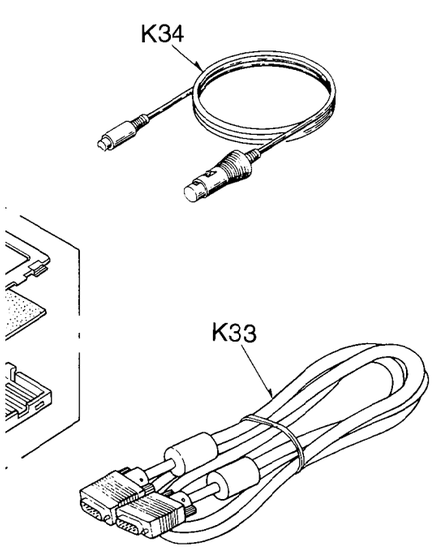


Exploded Views (2)









REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by the International symbol ⚠ have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Abbreviation of Part Name and Descritpion

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
PP : Polypropylene	J : ±5%
S : Styrol	K : ±10%
T : Tantalum	L : ±15%
	M : ±20%
	P : +100%, –0%
	Z : +80%, –20%

Note: For G ○ ○ of Ref. No., not indicate illustration of it part on "Exploded Views".
Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

	Ref. No.	Part No.	Description
			MECANICAL PARTS
	K1	EAK4A03A	SPEAKER
	K13	P13SM015	LIQUID CRYSTAL DISPLAY (R), (B) (PT-L592E/EG/EA)
	K13	P13VM315	LIQUID CRYSTAL DISPLAY (R), (B) (PT-L392E/EG/EA)
	K4	TBLB0016-1	SET LEG
	K5	TBMC746	MODEL NAME PLATE (PT-L592E)
	K5	TBMC747	MODEL NAME PLATE (PT-L592EG)
	K5	TBMC748	MODEL NAME PLATE (PT-L592EA)
	K5	TBMC749	MODEL NAME PLATE (PT-L392E)
	K5	TBMC750	MODEL NAME PLATE (PT-L392EG)
	K5	TBMC751	MODEL NAME PLATE (PT-L392EA)
	K6	TBXA09201	CONTROL KNOB
	K7	TBXA09301	SET LEG KNOB
	K8	TEDC0002	PRISM
	K9	TEEC0002	ANALYSIS BLOCK
	K10	TEJF008	HANDLE SHAFT
⚠	K11	TEKH003-1	FAN
⚠	K12	TEKH008	FAN
	K14	TENC0006	LIQUID CRYSTAL DISPLAY (G) (PT-L592E/EG/EA)
	K14	TENC0010	LIQUID CRYSTAL DISPLAY (G) (PT-L392E/EG/EA)
	G1	TES6348	SPRING
	K16	THEC014N	SCREW
	K17	THEC0179	SCREW
	G2	TJS1A2240	IC SOCKET
⚠	K18	TJS5A9990	AC SOCKET
	K19	TKGF0005	LENS BLOCK
	K20	TKKB5003	LAMP BOX HANDLE
	K21	TKKB5009	HANDLE
	K22	TKKL5020	LENS COVER
	G3	TMK18527	SPACER
	K23	TMME039	SPACER
	K24	TMM23416	SPACER
	G4	TMM5402-1	CLAMPER
	G5	TMM7443-3	CLAMPER
	G6	TMWJ006	LED HOLDER
	K25	TMZX0004	FILTER
⚠	K26	TNPA0667	BALLAST
	G7	TNQE003	REMOTE CONTROL
	K27	TNXX005	CONTROL SWITCH
	G8	TPCA40305	CARTON (PT-L592E)
	G8	TPCA40306	CARTON (PT-L592EG)
	G8	TPCA40307	CARTON (PT-L592EA)
	G8	TPCA40308	CARTON (PT-L392E)
	G8	TPCA40309	CARTON (PT-L392EG)
	G8	TPCA40310	CARTON (PT-L392EA)
	G9	TPDA0123	CUSHION (UPPER)
	G10	TPDA0124	QUSHION (BOTTOM)
	G11	TPE114154	PROTECT COVER
	G12	TQBJ0003	INSTRUCTION BOOK (PT-L592E, PT-L392E)
	G12	TQBJ0004	INSTRUCTION BOOK (PT-L592EG/EA, PT-L392EG/EA)
⚠	K28	TSEF8002	SWITCH
⚠	K29	TSEX0004	BIMETAL
⚠	K30	TSEX8005	SWITCH
	K31	TSKA117	FERRITE CORE
	K32	TSK1018	FERRITE CORE
⚠	K15A	TXFSX02VTFZ	POWER CORD (PT-L592E/EA, PT-L392E/EA)
⚠	K15B	TXFSX02VTHZ	POWER CORD (PT-L592EG, PT-L392EG)
	K33	TSXF095	CABLE (DOS/V)
	K34	TSXF096	CABLE (PS/2)
	K35	TSXL040	CABLE 30P (F3-A6)

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

Ref. No.	Part No.	Description
K36	TSXL041	CABLE 15P (J3-A9)
K37	TSXL042	CABLE 14P (F2-J2)
K38	TSXL043	CABLE 10P (D1-F8)
K39	TSXL044	CABLE 10P (R1-A11)
K40	TSXL045	CABLE 8P (S2-A15)
K41	TXFKF99VTFZ	TOP COVER
K42	TXFKL01VHF6	BOTTOM FILTER
K43	TXFTF98VTFZ	BOTTOM COVER
K44	TXFTF99VTFZ	FRONT COVER
K45	TXFXFK99TDZ	LAMP COVER
K46	TXZGA01VHF6	SET LEG (R)
K47	TXZGA02VHF6	SET LEG (L)
K48	TZTEN01VHF6	ADJUSTMENT METAL (R)
K49	TZTEN02VHF6	ADJUSTMENT METAL (B)
K50	XTBT969Z	SCREW
K51	XTB4+15AFZ	SCREW
K52	XTB4+20A	SCREW
K53	XTV3+6J	SCREW
K54	XTW3+6T	TAPPING SCREW
G13	XUC2	E RING
K55	XUC3	E RING
K56	XYC3+FF8	SCREW
K57	XYN3+F25	SCREW
K58	XYN3+J8FZ	SCREW
K59	XYN4+E8	SCREW
K60	XYN4+F32	SCREW
G14	XZBT6506	POLY BAG

INTEGRATED CIRCUITS

Ref. No.	Part No.	Description
IC1000	74HCT244NSL	I.C
IC1001	TC74HC4053AL	MOS IC (CMOS LOGIC)
IC1002	M52346SP	LINEAR IC
IC1003	UPD74HC4538G	MOS IC (CMOS LOGIC)
IC1004	AN78N09	LINEAR IC
IC1005	MN8236	MOS IC
IC1006	MC14052BF	MOS IC (CMOS GATE)
IC1007	TDA4566	LINEAR IC
IC1009	TA8880BN	LINEAR IC
IC1010	UPD74HC4538G	MOS IC (CMOS LOGIC)
IC1011	UPD74HC4538G	MOS IC (CMOS LOGIC)
IC1012	TA8772AN	LINEAR IC
IC1013	AN93B06K	LINEAR IC
IC1015	UPD74HC4538G	MOS IC (CMOS LOGIC)
IC1018	TC74HC4053AL	MOS IC (CMOS LOGIC)
IC1019	BA7657F	IC
IC1020	SN74HC244NS	MOS IC
IC2000	ET1012T0A	IC
IC2001	ET1012T0A	IC
IC2002	ET1012T0A	IC
IC2003	ET6010N0B	IC
IC2004	ET6010N0B	IC
IC2005	ET6010N0B	IC
IC2006	ET5010S0B	IC
● IC2007	TVRJ093	IC
○ IC2007	TVRJ094-1	IC
● IC2008	TVSA0134	IC
○ IC2008	TVSA0133	IC
IC2009	ET7010K0A	IC
IC2010	MC14053BF	MOS IC (LOGIC)
IC2011	MC14053BF	MOS IC (LOGIC)
IC2012	ET5010S0B	IC
IC2013	AN78L15M	IC
IC2014	AN78L15M	IC
IC2015	LM385Z-1.2	IC
IC2201	AN78L05M	LINEAR IC
IC2202	TVSA0132	IC

Ref. No.	Part No.	Description
IC2203	TLC2933IPW	IC
IC2204	TC74AC240FEL	MOS IC (CMOS LOGIC)
IC2205	TC74AC244F	IC
IC2206	TC74AC163F	IC
● IC2207	TVRJ090-1	IC
○ IC2207	TVRJ092-1	IC
IC2208	TDA8703T-T	LINEAR IC
IC2209	TDA8703T-T	LINEAR IC
IC2210	TDA8703T-T	LINEAR IC
● IC2211	TDA8703T-T	LINEAR IC
○ IC2211	M66256GP	IC
● IC2212	TDA8703T-T	LINEAR IC
○ IC2212	M66256GP	IC
● IC2213	TDA8703T-T	LINEAR IC
○ IC2213	M66256GP	IC
● IC2214	MN4778AS	MOS IC (FIFO MEMORY)
● IC2215	MN4778AS	MOS IC (FIFO MEMORY)
● IC2216	MN4778AS	MOS IC (FIFO MEMORY)
● IC2217	MN4778AS	MOS IC (FIFO MEMORY)
● IC2218	MN4778AS	MOS IC (FIFO MEMORY)
● IC2219	MN4778AS	MOS IC (FIFO MEMORY)
● IC2220	MN4778AS	MOS IC (FIFO MEMORY)
● IC2221	MN4778AS	MOS IC (FIFO MEMORY)
● IC2222	MN4778AS	MOS IC (FIFO MEMORY)
● IC2223	MN4778AS	MOS IC (FIFO MEMORY)
● IC2224	MN4778AS	MOS IC (FIFO MEMORY)
● IC2225	MN4778AS	MOS IC (FIFO MEMORY)
● IC2226	M66256GP	IC
● IC2227	M66256GP	IC
● IC2228	M66256GP	IC
● IC2229	TVSA0132	IC
● IC2230	TC74AC244F	IC
● IC2234	TC74AC244F	IC
● IC2235	TVRJ091-1	IC
● IC7000	TVRJ102A	IC
○ IC7000	TVRJ103-1	IC
IC7001	24LC16BIPA24	IC
IC7002	M35042-090SP	IC
IC7003	M35042-089SP	IC
IC7004	AN78L05M	LINEAR IC
IC7006	UPD65636G075	MOS IC (CMOS GATE)
● IC7007	TC74HC08AF	IC
IC7008	M51957BFP	LINEAR IC
IC7009	MN1382R	IC
IC7010	M62393FP	IC
IC7011	M62393FP	IC
IC7012	LB1831M	IC
IC7013	AN78L15M	IC
IC7014	AN79L05M	IC
IC7015	M62393FP	IC
IC7016	M62393FP	IC
IC7017	AN78L05M	LINEAR IC
IC7501	24LC21T-I/SN	IC
IC7502	24LC21T-I/SN	IC
IC7503	BA7657F	IC
IC7504	NJM2229M	IC
IC7601	MC14052BF	MOS IC (CMOS GATE)
IC7602	M51132L	LINEAR IC
IC7603	XRA15218F	LINEAR IC
IC7701	TWM700016010	MOS IC (4 BIT)
IC7702	MN1382R	IC
IC7703	TWM700015010	MOS IC (4 BIT)
IC7704	UPD4721GS	MOS IC (CMOS LOGIC)
IC7801	AN7147N	IC
IC9201	STRS6707F953	LINEAR IC
IC9202	FA5331M	IC
IC9203	AN78M20	LINEAR IC
IC9205	SE005N	HYBRID IC
IC9301	SE012N	HYBRID IC

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

Ref. No.	Part No.	Description
IC9302	UPC24M05AHF	IC
IC9304	AN78N05	LINEAR IC
IC9305	STR9005F308A	IC
IC9306	SI-3120CA	HYBRID IC
IC9307	SI-3050CA	HYBRID IC
IC9308	SI-3120CA	HYBRID IC
	TRANSISTORS	
Q1003	2SD601AQ	TRANSISTOR
Q1004	2SD601AQ	TRANSISTOR
Q1005	2SD601AQ	TRANSISTOR
Q1006	2SD601AQ	TRANSISTOR
Q1018	2SD601AQ	TRANSISTOR
Q1019	2SD601AQ	TRANSISTOR
Q1020	2SD601AQ	TRANSISTOR
Q1021	2SD601AQ	TRANSISTOR
Q1024	2SD601AQ	TRANSISTOR
Q1025	2SD601AQ	TRANSISTOR
Q1026	2SD601AQ	TRANSISTOR
Q1028	2SD601AQ	TRANSISTOR
Q1029	2SD601AQ	TRANSISTOR
Q1030	2SD601AQ	TRANSISTOR
Q1031	2SD601AQ	TRANSISTOR
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Q1035	2SD601AQ	TRANSISTOR
Q1036	2SB709AR	TRANSISTOR
Q1037	2SD601AQ	TRANSISTOR
Q1039	2SD601AQ	TRANSISTOR
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Q1099	2SC2480S	TRANSISTOR
Q1100	2SB709AR	TRANSISTOR
Q1101	2SA1462	TRANSISTOR
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Q1119	2SD601AQ	TRANSISTOR
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Q1124	2SD601AQ	TRANSISTOR
Q1126	2SD601AQ	TRANSISTOR
Q1127	2SB709AR	TRANSISTOR
Q1128	2SD601AQ	TRANSISTOR
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Q1138	2SB709AR	TRANSISTOR
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Q2016	2SD601AQ	TRANSISTOR
Q2017	2SB709AR	TRANSISTOR
Q2018	2SD601AQ	TRANSISTOR
Q2019	2SB709AR	TRANSISTOR
Q2020	2SD601AQ	TRANSISTOR
Q2021	2SB709AR	TRANSISTOR
Q2022	2SD601AQ	TRANSISTOR

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

Ref. No.	Part No.	Description
Q2023	2SB709AR	TRANSISTOR
Q2024	2SD601AQ	TRANSISTOR
Q2025	2SB709AR	TRANSISTOR
Q2026	2SB709AR	TRANSISTOR
Q2201	2SD601AQ	TRANSISTOR
Q7001	2SD601AQ	TRANSISTOR
Q7002	2SD601AQ	TRANSISTOR
Q7003	2SD601AQ	TRANSISTOR
Q7004	2SD601AQ	TRANSISTOR
Q7005	2SD601AQ	TRANSISTOR
Q7006	2SD601AQ	TRANSISTOR
Q7007	2SD601AQ	TRANSISTOR
Q7008	2SD601AQ	TRANSISTOR
Q7009	2SD602A-R	TRANSISTOR
Q7010	2SD601AQ	TRANSISTOR
Q7011	2SD601AQ	TRANSISTOR
Q7514	2SB709AR	TRANSISTOR
Q7515	2SB709AR	TRANSISTOR
Q7516	2SB709AR	TRANSISTOR
Q7521	2SD601AQ	TRANSISTOR
Q7522	2SB709AR	TRANSISTOR
Q7523	2SD601AQ	TRANSISTOR
Q7524	2SD601AQ	TRANSISTOR
Q7525	2SD601AQ	TRANSISTOR
Q7526	2SD601AQ	TRANSISTOR
Q7527	2SB709AR	TRANSISTOR
Q7528	2SD601AQ	TRANSISTOR
Q7529	2SD601AQ	TRANSISTOR
Q7530	2SD601AQ	TRANSISTOR
Q7531	2SD601AQ	TRANSISTOR
Q7532	2SB709AR	TRANSISTOR
Q7533	2SD601AQ	TRANSISTOR
Q7534	2SD601AQ	TRANSISTOR
Q7535	2SD601AQ	TRANSISTOR
Q7536	2SD601AQ	TRANSISTOR
Q7537	2SB709AR	TRANSISTOR
Q7538	2SD601AQ	TRANSISTOR
Q7539	2SD601AQ	TRANSISTOR
Q7540	2SD601AQ	TRANSISTOR
Q7601	2SD601AQ	TRANSISTOR
Q7602	2SD601AQ	TRANSISTOR
Q7603	2SD601AQ	TRANSISTOR
Q7604	2SD601AQ	TRANSISTOR
Q7605	2SD601AQ	TRANSISTOR
Q7606	2SB709AR	TRANSISTOR
Q7701	2SB709AR	TRANSISTOR
Q7702	2SD601AQ	TRANSISTOR
Q7703	2SB709AR	TRANSISTOR
Q7704	2SD601AQ	TRANSISTOR
Q7705	2SD601AQ	TRANSISTOR
Q7706	2SD601AQ	TRANSISTOR
Q7752	2SD601AQ	TRANSISTOR
Q7801	2SD601AQ	TRANSISTOR
Q7802	2SD601AQ	TRANSISTOR
Q7805	2SB709AR	TRANSISTOR
Q7806	2SD601AQ	TRANSISTOR
Q7902	2SD601AQ	TRANSISTOR
Q9201	2SK1938	TRANSISTOR
Q9202	2SK1938	TRANSISTOR
Q9203	2SC2497A	TRANSISTOR
Q9204	2SA1096A	TRANSISTOR
Q9205	2SD601AR	TRANSISTOR
Q9301	2SD601AR	TRANSISTOR
Q9302	2SD601AR	TRANSISTOR
Q9303	2SD601AR	TRANSISTOR
Q9304	2SD601AR	TRANSISTOR
Q9305	2SD601AR	TRANSISTOR

DIODES

Ref. No.	Part No.	Description
D1010	MA152K	DIODE
D1011	MA3056M	ZENER DIODE
D1013	MA152K	DIODE
D1014	MA3075L	ZENER DIODE
D1015	MA152K	DIODE
D1016	MA3075L	ZENER DIODE
D1017	MA3056M	ZENER DIODE
D1019	MA152K	DIODE
D1022	MA3033	DIODE
D1026	MA152K	DIODE
D1027	MA152WK	DIODE
D1028	MA152WK	DIODE
D1029	MA152WK	DIODE
D1030	MA152WK	DIODE
D1032	MA3120M	ZENER DIODE
D1033	MA152K	DIODE
D1034	MA152K	DIODE
D1036	MA152K	DIODE
D1037	MA28WA	DIODE
D1038	MA28WA	DIODE
D1039	MA28WA	DIODE
D2001	MA3056L	DIODE
D2002	MA3056L	DIODE
D2003	MA3056L	DIODE
D2004	MA152K	DIODE
D2005	MA152K	DIODE
D2006	MA748	DIODE
D2007	MA748	DIODE
D2008	MA748	DIODE
D2009	MA153A	DIODE
D2010	MA153A	DIODE
D2011	MA153A	DIODE
D7001	MA152K	DIODE
D7002	MA152K	DIODE
D7003	MA3120	DIODE
D7004	MA152K	DIODE
D7005	MA152K	DIODE
D7006	MA152K	DIODE
D7007	MA152K	DIODE
D7008	MA152K	DIODE
D7009	MA152WA	DIODE
D7501	MA153A	DIODE
D7502	MA153A	DIODE
D7503	MA153A	DIODE
D7504	MA3150M	DIODE
D7505	MA3150M	DIODE
D7506	MA3150M	DIODE
D7507	MA3150M	DIODE
D7508	MA3056M	ZENER DIODE
D7509	MA3056M	ZENER DIODE
D7510	MA153A	DIODE
D7511	MA153A	DIODE
D7512	MA153A	DIODE
D7513	MA3150M	DIODE
D7514	MA3150M	DIODE
D7515	MA3150M	DIODE
D7516	MA3150M	DIODE
D7517	MA3056M	ZENER DIODE
D7518	MA3056M	ZENER DIODE
D7521	MA152K	DIODE
D7522	MA152K	DIODE
D7523	MA152K	DIODE
D7524	MA704A	DIODE
D7525	MA3056M	ZENER DIODE
D7526	MA152K	DIODE
D7527	MA152K	DIODE

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

	Ref. No.	Part No.	Description
	D7528	MA152K	DIODE
	D7529	MA704A	DIODE
	D7530	MA3056M	ZENER DIODE
	D7531	MA152K	DIODE
	D7532	MA152K	DIODE
	D7533	MA152K	DIODE
	D7534	MA704A	DIODE
	D7535	MA3056M	ZENER DIODE
	D7536	MA152K	DIODE
	D7537	MA152K	DIODE
	D7538	MA152K	DIODE
	D7539	MA704A	DIODE
	D7540	MA3056M	ZENER DIODE
	D7541	MA3100H	ZENER DIODE
	D7601	MA3100H	ZENER DIODE
	D7602	MA3100H	ZENER DIODE
	D7603	MA3100H	ZENER DIODE
	D7604	MA3100H	ZENER DIODE
	D7605	MA3100H	ZENER DIODE
	D7606	MA3100H	ZENER DIODE
	D7607	MA3051M	ZENER DIODE
	D7701	MA152WK	DIODE
	D7702	MA152WK	DIODE
	D7703	MA152WK	DIODE
	D7704	MA3150M	DIODE
	D7705	MA3150M	DIODE
	D7706	MA3150M	DIODE
	D7707	MA3150M	DIODE
	D7708	MA3068M	ZENER DIODE
	D7709	MA3068M	ZENER DIODE
	D7710	MA3150M	DIODE
	D7711	MA3150M	DIODE
	D7712	MA3068M	ZENER DIODE
	D7713	MA3068M	ZENER DIODE
	D7714	MA3068M	ZENER DIODE
	D7715	MA3068M	ZENER DIODE
	D7716	MA3150M	DIODE
	D7717	MA3150M	DIODE
	D7718	MA3068M	ZENER DIODE
	D7719	MA3068M	ZENER DIODE
	D7720	MA3068M	ZENER DIODE
	D7801	MA152K	DIODE
	D7901	MA152K	DIODE
	D7902	TVSSEL1110R	LED (RED)
	D7903	TVSSEL1110R	LED (RED)
	D7904	LN11WP38	LED
	D7905	MA152K	DIODE
⚠	D9101	ERZV14D471	VARISTOR
⚠	D9201	RBV-1306H	DIODE
⚠	D9202	ERZV14D471	VARISTOR
	D9203	FMLG16S	DIODE
	D9204	EG01	DIODE
	D9205	EG01	DIODE
	D9206	EG01	DIODE
	D9207	EG01	DIODE
	D9208	EG01	DIODE
	D9209	EG01	DIODE
	D9210	EU2	DIODE
	D9211	MA723	DIODE
	D9212	MA165	DIODE
	D9213	MA4270M	ZENER DIODE
	D9214	EU2	DIODE
	D9215	AM01Z	DIODE
	D9216	AM01Z	DIODE
	D9217	RH3F	DIODE
	D9218	AM01Z	DIODE
	D9219	AM01Z	DIODE
	D9220	EU2	DIODE
	D9221	MA2160	ZENER DIODE
⚠	D9222	TLP721FD4GR	PHOTO COUPLER
⚠	D9223	TLP721FD4GR	PHOTO COUPLER
⚠	D9224	TLP721FD4GR	PHOTO COUPLER
⚠	D9225	TLP721FD4GR	PHOTO COUPLER
	D9226	EU2	DIODE
	D9227	MA29WB	DIODE
	D9301	FML-G12S	DIODE
	D9302	FML-G12S	DIODE
	D9303	RU30	DIODE
	D9304	RU30	DIODE
	D9305	RU30	DIODE
	D9306	MA165	DIODE
	D9307	EG01	DIODE
	D9308	MA29WB	DIODE
	D9310	MA165	DIODE
	D9311	MA165	DIODE
	D9312	MA5056	ZENER DIODE
	D9313	MA5056	ZENER DIODE
	D9314	MA5056	ZENER DIODE
	D9315	MA5130	ZENER DIODE
	D9316	MA5150	ZENER DIODE
	D9317	MA5200	ZENER DIODE

COILS

	DL1000	TAX10014	FILTER
	DL1001	TAX10015	FILTER
	DL1002	ELB4N058B	LC FILTER
	L1001	TLT150J991K	PEAKING COIL 15U
	L1002	TLT680K991K	PEAKING COIL 68U
	L1003	TLT680K991K	PEAKING COIL 68U
	L1004	TLT680K991K	PEAKING COIL 68U
	L1005	TLT100J991K	PEAKING COIL 10U
	L1006	TLT470K991K	PEAKING COIL 47U
	L1008	TLT270K991K	PEAKING COIL 27U
	L1009	TLT220K991K	PEAKING COIL 22U
	L1011	TLT150J991K	PEAKING COIL 15U
	L1012	TLT150J991K	PEAKING COIL 15U
	L1013	TLT047J991K	PEAKING COIL 4.7
	L1015	TLT100J991K	PEAKING COIL 10U
	L1017	TLT331K991K	PEAKING COIL 330U
	L2001	ELJFA220KF	CHIP COIL
	L2002	ELJFA220KF	CHIP COIL
	L2003	ELJFA220KF	CHIP COIL
	L2004	ELJFA220KF	CHIP COIL
	L2205	TSKA108	CHOKE COIL
	L2206	TSKA108	CHOKE COIL
	L2207	TSKA108	CHOKE COIL
	L2208	TSKA108	CHOKE COIL
	L2209	TSKA108	CHOKE COIL
	L2210	TSKA108	CHOKE COIL
	L2211	TSKA108	CHOKE COIL
	L2212	TSKA108	CHOKE COIL
	L2213	TSKA108	CHOKE COIL
	L2214	TSKA108	CHOKE COIL
	L2215	TSKA108	CHOKE COIL
	L7501	EXCCL3225U1	EMI FILTER
	L7502	EXCCL3225U1	EMI FILTER
	L7503	EXCCL3225U1	EMI FILTER
	L7504	EXCCL3225U1	EMI FILTER
	L7505	EXCCL3225U1	EMI FILTER
	L7506	EXCCL3225U1	EMI FILTER
	L7801	TLT022K991K	PEAKING COIL 2.2U
⚠	L9102	TLPD002	LINE FILTER
⚠	L9201	TLPD002	LINE FILTER
	L9202	EXCELDR35C	CORE
	L9203	EXCELDR35C	CORE

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

	Ref. No.	Part No.	Description
	L9204	EXCELDR35C	CORE
	L9205	EXCELDR35C	CORE
	L9306	EXCELDR35C	CORE
	L9308	EXCELDR35C	CORE
	L9309	EXCELDR35C	CORE
	L9310	EXCELDR35C	CORE
	L9311	EXCELDR35C	CORE
	L9312	EXCELDR35C	CORE
	L9313	EXCELDR35C	CORE
	LC1000	EIL7EN008Q	COIL
	LC1001	ELB4K131B	FILTER
	LC2201	EXCCET103U	EMI FILTER
	LC2202	EXCCET103U	EMI FILTER
	LC2203	EXCCET103U	EMI FILTER
	LC2204	EXCCET103U	EMI FILTER
●	LC2205	EXCCET103U	EMI FILTER
●	LC2210	TAX10089	NOISE FILTER
●	LC2211	TAX10089	NOISE FILTER
●	LC2212	TAX10089	NOISE FILTER
●	LC2213	TAX10089	NOISE FILTER
●	LC2214	TAX10089	NOISE FILTER
●	LC2215	TAX10089	NOISE FILTER
●	LC2216	TAX10089	NOISE FILTER
●	LC2217	TAX10089	NOISE FILTER
●	LC2218	TAX10089	NOISE FILTER
●	LC2219	TAX10089	NOISE FILTER
●	LC2220	TAX10089	NOISE FILTER
●	LC2221	TAX10089	NOISE FILTER
●	LC2222	TAX10089	NOISE FILTER
●	LC2223	TAX10089	NOISE FILTER
●	LC2224	TAX10089	NOISE FILTER
●	LC2225	TAX10089	NOISE FILTER
●	LC2226	TAX10089	NOISE FILTER
●	LC2227	TAX10089	NOISE FILTER
●	LC2228	TAX10089	NOISE FILTER
●	LC2229	TAX10089	NOISE FILTER
●	LC2230	TAX10089	NOISE FILTER
●	LC2231	TAX10089	NOISE FILTER
●	LC2232	TAX10089	NOISE FILTER
●	LC2233	TAX10089	NOISE FILTER
●	LC2234	TAX10089	NOISE FILTER
●	LC2235	TAX10089	NOISE FILTER
●	LC2236	TAX10089	NOISE FILTER
	LC7001	EXCCET103U	EMI FILTER
	LC7002	EXCCET103U	EMI FILTER
	LC7003	EXCCET103U	EMI FILTER
	LC7004	EXCCET103U	EMI FILTER
	LC7005	EXCCET103U	EMI FILTER
	LC7006	EXCCET103U	EMI FILTER
	LC7007	EXCCET103U	EMI FILTER
	LC7008	EXCCET103U	EMI FILTER
	LC7701	TAC52101T50V	C 100PF, 50V
	LC7702	TAC52101T50V	C 100PF, 50V
	LC7703	TAC52101T50V	C 100PF, 50V
	LC7704	TAC52101T50V	C 100PF, 50V

TRANSFORMERS

⚠	T9201	TLPF068-2	CHOKE TRANS
⚠	T9301	ETS29AK1U6AC	SWITCHING TRANS

Ref. No.	Part No.	Description
	RESISTORS	
R1000	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1001	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1003	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1004	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1005	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1009	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1010	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R1011	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R1012	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R1013	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1014	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R1016	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1037	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1038	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1039	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1040	ERJ6GEYJ183	M 18KOHM, J, 1/10W
R1041	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1042	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1043	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1044	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1045	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1046	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1047	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R1048	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R1049	ERJ6GEYJ273	M 27KOHM, J, 1/10W
R1050	ERJ6GEYJ753	M 75KOHM, J, 1/10W
R1051	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1052	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1053	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1054	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1055	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1056	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1057	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1058	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1059	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1060	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1061	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1063	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1064	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1065	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1068	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1070	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1071	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1072	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1073	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1074	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1075	ERJ6ENF6800	M 680 OHM, 1/10W
R1076	ERJ6ENF4700	M 470 OHM, 1/10W
R1077	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1078	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1081	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1082	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1083	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1084	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R1085	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1086	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1087	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R1088	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1089	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1090	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1091	ERJ6GEYJ221	M 220 OHM, J, 1/10W
R1093	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W
R1094	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1095	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1096	ERJ6GEYJ273	M 27KOHM, J, 1/10W
R1097	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W

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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1098	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1179	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1099	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1180	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W
R1100	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1181	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1101	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1182	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1102	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1183	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W
R1103	ERJ6GEYJ201	M 200 OHM, J, 1/10W	R1184	ERJ6GEYJ393	M 39KOHM, J, 1/10W
R1104	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R1185	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1105	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	R1186	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1106	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1187	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1107	ERJ6GEYJ201	M 200 OHM, J, 1/10W	R1188	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W
R1108	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1189	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1109	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1190	ERJ6GEYJ470	M 47 OHM, J, 1/10W
R1110	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1191	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1111	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1192	ERJ6ENF5600	M 560 OHM, 1/10W
R1112	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1193	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1113	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1194	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1118	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R1195	ERJ6ENF1201	M 1.2KOHM, 1/10W
R1119	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1196	ERJ6ENF4700	M 470 OHM, 1/10W
R1120	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	R1197	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1125	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	R1198	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1126	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1201	ERJ6GEYJ221	M 220 OHM, J, 1/10W
R1127	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1202	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1128	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	R1203	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1129	ERJ6ENF8200	M 820 OHM, 1/10W	R1204	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1130	ERJ6ENF5601	M 5.6KOHM, 1/10W	R1205	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1131	ERJ6ENF1001	M 1KOHM, 1/10W	R1206	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1132	ERJ6ENF5600	M 560 OHM, 1/10W	R1207	ERJ6ENF1001	M 1KOHM, 1/10W
R1133	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1208	ERJ6ENF8200	M 820 OHM, 1/10W
R1134	ERJ6ENF8200	M 820 OHM, 1/10W	R1210	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1135	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1211	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1136	ERJ6GEYJ471	M 470 OHM, J, 1/10W	R1212	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W
R1139	ERJ6GEYJ183	M 18KOHM, J, 1/10W	R1219	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1140	ERJ6GEYJ123	M 12KOHM, J, 1/10W	R1220	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1141	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1221	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1142	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1222	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1143	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R1223	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1144	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R1224	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1145	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1228	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1146	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1229	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1147	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1231	ERJ6GEYJ683	M 68KOHM, J, 1/10W
R1148	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1232	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R1149	ERJ6ENF4700	M 470 OHM, 1/10W	R1233	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1150	ERJ6ENF1001	M 1KOHM, 1/10W	R1234	ERJ6ENF3300	M 330 OHM, 1/10W
R1151	ERJ6ENF4700	M 470 OHM, 1/10W	R1235	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1152	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1236	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1153	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1237	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1154	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1238	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R1155	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1239	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1156	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1240	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1157	ERJ6GEYJ153	M 15KOHM, J, 1/10W	R1242	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1158	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R1243	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1159	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1244	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1160	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1245	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1161	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1246	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R1162	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1247	ERJ6GEYJ224	M 220KOHM, J, 1/10W
R1163	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1248	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1164	ERJ6ENF3600	M 360OHM, 1/ 10W	R1253	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1165	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1254	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1166	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1255	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1167	ERJ6ENF1001	M 1KOHM, 1/10W	R1256	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1168	ERJ6ENF4700	M 470 OHM, 1/10W	R1257	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1169	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1258	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1170	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1259	ERJ6GEYJ391	M 390 OHM, J, 1/10W
R1171	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1260	ERJ6GEYJ274	M 270KOHM, J, 1/10W
R1172	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1261	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1173	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R1262	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R1174	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R1263	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1175	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1264	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1177	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1265	ERJ6GEYJ101	M 100 OHM, J, 1/10W

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	Ref. No.	Part No.	Description
	R1266	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1267	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W
	R1268	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1269	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
	R1270	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R1272	ERJ6GEYJ362	M 3.6KOHM, J, 1/10W
	R1273	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1274	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W
	R1275	ERJ6GEYJ153	M 15KOHM, J, 1/10W
	R1276	ERJ6GEYJ475	M 4.7MOHM, J, 1/10W
	R1277	ERJ6GEYJ475	M 4.7MOHM, J, 1/10W
	R1278	ERJ6GEYJ242	M 2.4KOHM, J, 1/10W
	R1279	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1281	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1282	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R1283	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R1285	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
	R1286	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
	R1287	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
	R1288	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
	R1289	ERJ6GEYJ563	M 56KOHM, J, 1/10W
	R1290	ERJ6GEYJ683	M 68KOHM, J, 1/10W
	R1291	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R1292	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1293	ERJ6GEYJ563	M 56KOHM, J, 1/10W
	R1295	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R1296	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R1297	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1298	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W
	R1299	ERJ6GEYJ121	M 120 OHM, J, 1/10W
	R1300	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R1314	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R1315	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1316	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1323	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1324	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1325	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1326	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1327	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1334	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1335	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1336	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1337	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R1338	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R1340	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R1342	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R1343	ERJ6GEYJ221	M 220 OHM, J, 1/10W
	R1344	ERJ6GEYJ221	M 220 OHM, J, 1/10W
	R1345	ERJ6GEYJ221	M 220 OHM, J, 1/10W
	R1346	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R1347	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R1348	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1350	ERJ6GEYJ121	M 120 OHM, J, 1/10W
	R1351	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R1352	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R1353	ERJ6GEYJ121	M 120 OHM, J, 1/10W
	R1354	ERJ6GEYJ121	M 120 OHM, J, 1/10W
○	R1355	ERJ6GEYJ121	M 120 OHM, J, 1/10W
	R1359	ERJ6GEYJ121	M 120 OHM, J, 1/10W
	R1360	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R1361	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R1362	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R1363	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R1364	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R1365	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R1366	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R1368	ERJ6GEYJ121	M 120 OHM, J, 1/10W
	R1371	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1372	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1373	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1375	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1378	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1380	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1387	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1388	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1389	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1390	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1391	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1392	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1393	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1394	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1399	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1400	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1401	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1402	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1403	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1404	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1405	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1427	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R1439	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R1443	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W
	R1444	ERJ6GEYJ391	M 390 OHM, J, 1/10W
	R1445	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R1446	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1447	ERJ6GEYJ221	M 220 OHM, J, 1/10W
	R1450	ERJ6GEYJ393	M 39KOHM, J, 1/10W
	R1451	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R1452	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1453	ERJ6GEYJ561	M 560 OHM, J, 1/10W
	R1456	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R1457	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R1462	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R1463	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1464	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1465	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R1466	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
	R1467	ERJ6GEYJ820	M 82 OHM, J, 1/10W
	R1468	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1469	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R1470	ERJ6GEYJ330	M 33 OHM, J, 1/10W
	R1471	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R1472	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1473	ERJ6GEYJ391	M 390 OHM, J, 1/10W
	R1474	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R1475	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1476	ERJ6GEYJ221	M 220 OHM, J, 1/10W
	R1479	ERJ6GEYJ393	M 39KOHM, J, 1/10W
	R1480	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R1481	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1482	ERJ6GEYJ561	M 560 OHM, J, 1/10W
	R1485	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R1486	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R1491	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R1492	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1493	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R1494	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R1495	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
	R1496	ERJ6GEYJ820	M 82 OHM, J, 1/10W
	R1497	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R1498	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R1499	ERJ6GEYJ330	M 33 OHM, J, 1/10W
	R1500	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R1501	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1502	ERJ6GEYJ391	M 390 OHM, J, 1/10W
	R1503	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R1504	ERJ6GEYJ681	M 680 OHM, J, 1/10W
	R1505	ERJ6GEYJ221	M 220 OHM, J, 1/10W
	R1508	ERJ6GEYJ393	M 39KOHM, J, 1/10W

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Ref. No.	Part No.	Description
R1509	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1510	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1511	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1514	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R1515	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1520	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1521	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1522	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1523	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1524	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R1525	ERJ6GEYJ820	M 82 OHM, J, 1/10W
R1526	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1527	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1528	ERJ6GEYJ330	M 33 OHM, J, 1/10W
R1529	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1530	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1533	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1534	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1535	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1536	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1537	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1538	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1541	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1542	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1543	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1544	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1545	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1546	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1549	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1550	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1551	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1552	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1553	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1554	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1555	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1556	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1557	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1562	ERJ6ENF5600	M 560 OHM, 1/10W
R1563	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1564	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1566	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1567	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1569	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1571	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1572	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1574	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1576	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1577	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1579	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1580	ERJ6GEYJ563	M 56KOHM, J, 1/10W
R1581	EVM38GA00B22	CONTROL 200 OHMB
R1583	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1584	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1585	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1586	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1587	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1588	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1589	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1594	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W
R1596	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1597	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1599	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1600	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1606	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W
R1607	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1630	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1641	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1643	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1648	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1649	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2001	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R2002	EVM38GA00B14	CONTROL 100KOHMB
R2003	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2004	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2005	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2006	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2007	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2008	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2009	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2010	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R2011	EVM38GA00B14	CONTROL 100KOHMB
R2012	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2013	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2014	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2015	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2016	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2017	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2018	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2019	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R2020	EVM38GA00B14	CONTROL 100KOHMB
R2021	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2022	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2023	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2024	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R2025	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2026	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2027	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2028	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● R2029	ERJ6GEYJ512	M 5.1KOHM, J, 1/10W
○ R2029	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W
R2030	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2031	ERJ6GEYJ510	M 51 OHM, 1/10W
R2032	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2033	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R2034	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R2035	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2036	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2037	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R2038	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R2039	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2040	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R2042	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R2043	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R2045	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R2046	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2047	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● R2048	ERJ6GEYJ513	M 51KOHM, J, 1/10W
○ R2048	ERJ6GEYJ563	M 56KOHM, J, 1/10W
● R2049	ERJ6GEYJ513	M 51KOHM, J, 1/10W
○ R2049	ERJ6GEYJ563	M 56KOHM, J, 1/10W
R2050	ERJ6GEYJ103	M 10KOHM, J, 1/10W
○ R2051	ERJ6GEYJ273	M 27KOHM, J, 1/10W
R2052	ERJ6GEYJ123	M 12KOHM, J, 1/10W
R2053	ERJ6GEYJ912	M 9.1KOHM, J, 1/10W
○ R2054	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R2055	ERJ6GEYJ132	M 1.3KOHM, J, 1/10W
R2056	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● R2057	ERJ6GEYJ513	M 51KOHM, J, 1/10W
○ R2057	ERJ6GEYJ563	M 56KOHM, J, 1/10W
R2058	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2059	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2060	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R2061	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2062	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2063	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2066	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2067	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2068	ERJ6GEYJ101	M 100 OHM, J, 1/10W

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

	Ref. No.	Part No.	Description
	R2069	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2070	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2072	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R2073	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R2074	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R2075	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R2076	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R2077	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R2078	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2080	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2081	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2082	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2084	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2085	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2086	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2087	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2088	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2089	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2090	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
	R2091	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R2092	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2093	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R2094	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
	R2095	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R2096	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2097	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2114	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2115	ERJ6GEYJ100	M 10 OHM, J, 1/10W
	R2116	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
	R2117	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
	R2118	ERJ6GEYJ100	M 10 OHM, J, 1/10W
	R2119	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2120	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2121	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2122	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
	R2123	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
	R2124	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2125	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2126	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2127	ERJ6GEYJ100	M 10 OHM, J, 1/10W
	R2128	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
	R2129	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
	R2130	ERJ6GEYJ100	M 10 OHM, J, 1/10W
	R2131	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2132	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2133	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2134	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2135	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R2136	ERJ6GEYJ103	M 10KOHM, J, 1/10W
○	R2137	ERJ6GEY0R00	M 0 OHM, J, 1/10W
○	R2138	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2139	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R2140	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R2141	ERJ6GEYJ102	M 1KOHM, J, 1/10W
○	R2141	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2142	ERJ6GEYJ102	M 1KOHM, J, 1/10W
○	R2142	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2143	ERJ6GEYJ102	M 1KOHM, J, 1/10W
○	R2143	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2144	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2146	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2147	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R2150	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2151	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2152	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2153	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2154	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2155	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2156	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2157	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2158	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2159	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2160	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2161	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2162	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2163	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2164	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2165	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2166	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2167	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2168	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2169	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2171	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2172	ERJ6GEYJ470	M 47 OHM, J, 1/10W
	R2173	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2174	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2175	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2176	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2177	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R2178	ERJ6GEYJ474	M 470KOHM, J, 1/10W
●	R2180	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2181	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
	R2182	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
○	R2200	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2201	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2202	ERJ6GEYJ134	M 130KOHM, J, 1/10W
	R2203	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R2204	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R2205	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R2206	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
●	R2207	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2207	ERJ6GEYJ471	M 470 OHM, J, 1/10W
●	R2208	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2208	ERJ6GEYJ622	M 6.2KOHM, 1/10W
●	R2209	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2209	ERJ6GEYJ103	M 10KOHM, J, 1/10W
●	R2210	ERJ6GEYJ471	M 470 OHM, J, 1/10W
●	R2211	ERJ6GEYJ622	M 6.2KOHM, 1/10W
○	R2211	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W
●	R2212	ERJ6GEYJ103	M 10KOHM, J, 1/10W
○	R2212	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W
○	R2213	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R2214	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W
○	R2214	ERJ6GEYJ274	M 270KOHM, J, 1/10W
●	R2215	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
○	R2215	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
●	R2216	ERJ6GEYJ102	M 1KOHM, J, 1/10W
○	R2216	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
●	R2217	ERJ6GEYJ134	M 130KOHM, J, 1/10W
○	R2217	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2218	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
○	R2218	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2219	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
○	R2219	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2220	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2220	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2221	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2221	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2222	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2222	ERJ6GEYJ220	M 22 OHM, J, 1/10W
	R2223	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2224	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2224	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2225	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2225	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2226	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2226	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2227	ERJ6GEYJ220	M 22 OHM, J, 1/10W

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

	Ref. No.	Part No.	Description
○	R2227	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2228	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2228	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2229	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2229	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2230	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2230	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R2231	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2231	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R2232	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2232	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2233	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2233	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2234	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2234	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2235	ERJ6GEYJ102	M 1KOHM, J, 1/10W
○	R2235	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2236	ERJ6GEYJ102	M 1KOHM, J, 1/10W
○	R2236	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2237	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2237	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2238	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2238	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2239	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2239	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2240	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2240	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2241	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2241	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2242	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○	R2242	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2243	ERJ6GEYJ151	M 150 OHM, J, 1/10W
○	R2243	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2244	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2245	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2246	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2247	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2248	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2249	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2250	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2251	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2252	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2253	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2254	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R2255	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2256	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2256	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2257	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2257	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2258	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○	R2258	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2259	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2260	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2261	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2262	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2263	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2264	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2265	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2266	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2267	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2268	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2269	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2270	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2271	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2272	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2273	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2274	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2275	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2276	ERJ6GEYJ220	M 22 OHM, J, 1/10W

	Ref. No.	Part No.	Description
●	R2277	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2278	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2279	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2280	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2281	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2282	ERJ6GEYJ220	M 22 OHM, J, 1/10W
●	R2283	ERJ6GEYJ121	M 120 OHM, J, 1/10W
●	R2284	ERJ6GEYJ221	M 220 OHM, J, 1/10W
●	R2285	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2286	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2287	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2288	ERJ6GEYJ560	M 56 OHM, J, 1/10W
●	R2289	ERJ6GEYJ121	M 120 OHM, J, 1/10W
●	R2290	ERJ6GEYJ121	M 120 OHM, J, 1/10W
●	R2291	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2292	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R2293	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R2322	ERJ6GEYJ563	M 56KOHM, J, 1/10W
●	R2323	ERJ6GEYJ563	M 56KOHM, J, 1/10W
●	R2324	ERJ6GEYJ563	M 56KOHM, J, 1/10W
●	R2325	ERJ6GEYJ563	M 56KOHM, J, 1/10W
●	R2326	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2327	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R2328	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2329	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2330	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2331	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2332	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2333	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2334	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2335	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2336	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2337	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2338	ERJ6GEYJ221	M 220 OHM, J, 1/10W
●	R2339	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2340	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2341	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R2342	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R7001	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7002	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7003	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7004	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7005	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7006	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7007	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7008	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7009	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7010	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7011	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7012	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7013	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7014	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R7015	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7016	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R7017	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7018	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7019	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7020	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7021	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7022	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7023	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7025	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R7026	ERJ6GEYJ100	M 10 OHM, J, 1/10W
	R7028	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R7029	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R7030	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R7031	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7032	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7033	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W

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	Ref. No.	Part No.	Description
	R7034	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7035	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7037	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7038	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7039	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7040	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7041	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7042	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7043	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7045	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7046	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7047	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7048	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7049	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7050	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R7051	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7052	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7053	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7054	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7055	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7056	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7057	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7058	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R7059	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R7060	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7061	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7062	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R7063	ERJ6GEYJ561	M 560 OHM, J, 1/10W
○	R7063	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7064	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7065	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7066	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7068	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7069	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7070	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7071	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7072	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7073	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7074	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R7075	ERJ6GEYJ183	M 18KOHM, J, 1/10W
	R7076	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W
	R7077	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W
	R7078	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R7080	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R7081	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R7082	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
●	R7083	ERJ6GEYJ560	M 56 OHM, J, 1/10W
	R7084	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R7085	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7086	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7087	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7088	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7089	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7090	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7091	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7092	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7093	ERJ6GEYJ102	M 1KOHM, J, 1/10W
●	R7094	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7095	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7096	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7097	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R7098	ERJ6GEYJ474	M 470KOHM, J, 1/10W
●	R7099	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R7100	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R7101	ERJ6GEY0R00	M 0 OHM, J, 1/10W
●	R7102	ERJ6GEY0R00	M 0 OHM, J, 1/10W
	R7103	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7104	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7105	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7106	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7107	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7108	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7109	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7110	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7111	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7112	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7113	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7114	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7115	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R7116	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W
	R7117	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7118	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7119	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7120	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7121	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7122	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7123	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R7124	ERJ6GEYJ473	M 47KOHM, J, 1/10W
●	R7125	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R7126	ERJ6GEYJ101	M 100 OHM, J, 1/10W
●	R7127	ERJ6GEY0R00	M 0 OHM, J, 1/10W
○	R7127	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7129	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7130	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7131	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7132	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7133	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7134	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7135	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7136	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7137	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7138	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7139	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7140	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7141	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7142	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7143	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7144	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7145	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7146	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7147	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7148	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7149	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7150	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7151	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7152	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7153	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7154	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7155	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7156	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7157	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7158	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7159	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7160	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7161	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7162	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7180	ERJ6GEYJ474	M 470KOHM, J, 1/10W
	R7501	ERJ6GEYJ750	M 75 OHM, J, 1/10W
	R7502	ERJ6GEYJ750	M 75 OHM, J, 1/10W
	R7503	ERJ6GEYJ750	M 75 OHM, J, 1/10W
	R7504	ERJ6GEYJ680	M 68 OHM, J, 1/10W
	R7505	ERJ6GEYJ680	M 68 OHM, J, 1/10W
	R7506	ERJ6GEYJ680	M 68 OHM, J, 1/10W
	R7507	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R7508	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R7509	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R7510	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7511	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W

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Ref. No.	Part No.	Description
R7512	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R7513	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7514	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7515	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R7516	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7517	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7518	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7519	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7520	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7521	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W
R7522	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7523	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W
R7524	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7525	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R7526	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7527	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7528	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7529	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7530	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7533	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7534	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7535	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7536	ERJ6GEYJ680	M 68 OHM, J, 1/10W
R7537	ERJ6GEYJ680	M 68 OHM, J, 1/10W
R7538	ERJ6GEYJ680	M 68 OHM, J, 1/10W
R7539	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7540	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7541	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7542	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7543	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W
R7544	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R7545	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7546	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7547	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R7548	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7549	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7550	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7551	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7552	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7553	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W
R7554	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7555	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7556	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7557	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7558	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R7559	ERJ6GEYJ680	M 68 OHM, J, 1/10W
R7560	ERJ6GEYJ680	M 68 OHM, J, 1/10W
R7561	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R7562	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R7563	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R7564	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R7565	ERJ6GEYJ680	M 68 OHM, J, 1/10W
R7566	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7567	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7568	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W
R7569	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7570	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R7571	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7572	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7574	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7575	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7576	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7577	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7578	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7579	ERJ6GEYJ684	M 680KOHM, J, 1/10W
R7580	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7581	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7582	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7583	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7584	ERJ6GEYJ333	M 33KOHM, J, 1/10W
R7585	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7586	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7587	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7588	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7601	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7602	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7603	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7604	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7605	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7606	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7607	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7608	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7609	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7610	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7611	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7612	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7613	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7614	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7615	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7616	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7617	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7618	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7619	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7620	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7621	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7622	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7623	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7624	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7625	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7626	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7627	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7630	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7631	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7632	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7633	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7634	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7635	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7638	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7639	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7640	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7641	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R7642	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7643	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7644	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7645	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7646	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R7647	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7648	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7649	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7650	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7651	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7652	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7653	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7701	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7702	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7703	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7704	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7705	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7706	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7707	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7708	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7709	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7710	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7711	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7712	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7713	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7714	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W
R7715	ERJ6GEYJ101	M 100 OHM, J, 1/10W

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	Ref. No.	Part No.	Description
	R7716	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R7717	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7718	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R7719	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R7720	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7721	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7722	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7723	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7724	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7725	ERJ6GEYJ333	M 33KOHM, J, 1/10W
	R7726	ERJ6GEYJ333	M 33KOHM, J, 1/10W
	R7727	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
	R7728	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R7729	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R7730	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7731	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7732	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7733	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7734	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7735	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7736	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7737	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7738	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7739	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7740	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7741	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7742	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7743	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7744	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7751	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7755	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7756	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R7757	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R7801	ERJ6GEYJ273	M 27KOHM, J, 1/10W
	R7802	ERJ6GEYJ154	M 150KOHM, J, 1/10W
	R7803	ERJ6GEYJ154	M 150KOHM, J, 1/10W
	R7804	ERJ6GEYJ184	M 180KOHM, J, 1/10W
	R7805	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7806	ERJ6GEYJ333	M 33KOHM, J, 1/10W
	R7807	ERJ6GEYJ273	M 27KOHM, J, 1/10W
	R7808	ERJ6GEYJ154	M 150KOHM, J, 1/10W
	R7809	ERJ6GEYJ154	M 150KOHM, J, 1/10W
	R7810	ERJ6GEYJ184	M 180KOHM, J, 1/10W
	R7811	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7812	ERJ6GEYJ333	M 33KOHM, J, 1/10W
	R7814	ERJ6GEYJ473	M 47KOHM, J, 1/10W
	R7816	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7817	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7818	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7819	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7820	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
	R7821	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7822	ERJ6GEYJ100	M 10 OHM, J, 1/10W
	R7823	ERJ6GEYJ100	M 10 OHM, J, 1/10W
	R7824	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R7825	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
	R7826	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R7827	ERQ1CJP2R7S	F 2.7 OHM, J, 1W
	R7901	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R7902	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7905	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R7906	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R7907	ERJ6GEYJ331	M 330 OHM, J, 1/10W
	R7908	ERJ6GEYJ221	M 220 OHM, J, 1/10W
	R7909	ERJ6GEYJ101	M 100 OHM, J, 1/10W
⚠	R9101	ERDS1TJ474	C 4.7KOHM, J, 1/2W
⚠	R9102	ERD75TAJ825	C 8.2MOHM, J, 3/4W
⚠	R9201	ERU5TAK6R8	F 6.8 OHM, 5W
⚠	R9202	UN11010	PROTECTOR

	Ref. No.	Part No.	Description
	R9203	ERG2SJ151	M 150 OHM, 2W
	R9204	ERDS1FJ820	C 82 OHM, J, 1/2W
	R9205	ERDS1FJ150	C 15 OHM, J, 1/2W
	R9206	ERDS1FJ820	C 82 OHM, J, 1/2W
	R9207	ERDS1FJ150	C 15 OHM, J, 1/2W
	R9208	ERDS2TJ273	C 27KOHM, J, 1/4W
	R9209	ER0S2CKF1203	M 120KOHM, F, 1/4W
	R9210	ER0S2CKF1103	M 110KOHM, F, 1/4W
	R9211	ER0S2CKF1203	M 120KOHM, F, 1/4W
	R9212	ERDS2TC0	C 0 OHM, 1/4W
	R9213	ERG2SJ471H	M 470 OHM, J, 2W
	R9214	ERG2SJ471H	M 470 OHM, J, 2W
	R9215	ERF10TLKR10	W 0.10 OHM, 10W
	R9216	ERG3SJ473	M 47K OHM, 3W
	R9217	ERDS2TJ100	C 10 OHM, J, 1/4W
	R9218	ERDS2TJ472	C 4.7KOHM, J, 1/4W
	R9219	ERJ6GEYJ820	M 82 OHM, J, 1/10W
	R9220	ERJ6ENF2742	M 27.4KOHM, F, 1/10W
	R9221	ERDS2TJ100	C 10 OHM, J, 1/4W
	R9222	ERDS2TJ224	C 220KOHM, J, 1/4W
	R9223	ERDS2TJ274	C 270KOHM, J, 1/4W
	R9224	ERJ6GEYJ103	M 10KOHM, J, 1/10W
	R9225	ERDS2TJ332	C 3.3KOHM, J, 1/4W
	R9226	ER0S2CKF1801	M 1.8KOHM, F, 1/4W
	R9227	ERJ6GEYJ684	M 680KOHM, J, 1/10W
	R9228	ER0S2CKF1203	M 120KOHM, F, 1/4W
	R9229	ER0S2CKF1203	M 120KOHM, F, 1/4W
	R9230	ER0S2CKF1003	M 100KOHM, F, 1/4W
	R9231	ER0S2CKF3902	M 39KOHM, F, 1/4W
	R9232	ERDS2TJ332	C 3.3KOHM, J, 1/4W
	R9233	ER0S2CKF1101	M 1100 OHM, F, 1/4W
	R9234	ERJ6GEYJ105	M 1MOHM, J, 1/10W
	R9235	ERJ6GEYJ393	M 39KOHM, J, 1/10W
	R9236	ERJ6GEYJ183	M 18KOHM, J, 1/10W
	R9238	ERG3SJ823	M 82KOHM, J, 3W
	R9239	ERDS2TJ220	C 22 OHM, J, 1/4W
	R9240	ERDS2TJ102	C 1KOHM, J, 1/4W
	R9241	ERDS2TJ392	C 3.9KOHM, J, 1/4W
	R9242	ERX1SJ3R9P	M 3.9 OHM, J, 1W
	R9243	ERDS2TJ822	C 8.2KOHM, J, 1/4W
	R9244	ERG3SJ104	M 100KOHM, J, 3W
	R9245	ERG1FJS220D	M 22 OHM, 1W
	R9246	ERD25FJ102	C 1KOHM, J, 1/4W
	R9247	ERX2SJR68H	M 0.68 OHM, J, 2W
	R9248	ERDS2TJ101	C 100 OHM, J, 1/4W
	R9250	ER0S2CKF1203	M 120KOHM, F, 1/4W
	R9251	ER0S2CKF1203	M 120KOHM, F, 1/4W
	R9252	ER0S2CKF1203	M 120KOHM, F, 1/4W
	R9253	ER0S2CKF4422	M 44.2KOHM, F, 1/4W
	R9254	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R9255	ERJ6GEYJ102	M 1KOHM, J, 1/10W
	R9256	ER0S2CKF5601	M 5.6KOHM, F, 1/4W
	R9257	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R9258	ERDS2TJ100	C 10 OHM, J, 1/4W
	R9301	ERDS2TJ332	C 3.3KOHM, J, 1/4W
	R9302	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R9303	ERJ6GEYJ101	M 100 OHM, J, 1/10W
	R9304	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R9305	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R9306	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
	R9307	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R9308	ERDS2TJ221	C 220 OHM, J, 1/4W
	R9309	ERDS2TJ332	C 3.3KOHM, J, 1/4W
	R9310	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R9311	ERJ6GEYJ223	M 22KOHM, J, 1/10W
	R9312	ERJ6ENF1271	M 1.27KOHM, 1/10W
	R9313	ERJ6GEYJ151	M 150 OHM, J, 1/10W
	R9314	ERJ6ENF1651	M 65KOHM, 1/10W
	R9315	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W

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Ref. No.	Part No.	Description
R9316	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R9317	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R9318	ERJ6ENF2871	M 2.87KOHM, 1/10W
R9319	ERJ6ENF1101	M 1.1KOHM, 1/10W
R9320	ERJ6ENF3001	M 3KOHM, 1/10W
R9321	ERDS2TJ562	C 5.6KOHM, J, 1/4W
R9322	ERJ6GEYJ243	M 24KOHM, J, 1/10W
R9323	ERDS2TJ823	C 82KOHM, J, 1/4W
R9324	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R9325	ERG2SJ151	M 150 OHM, 2W
R9326	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R9327	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R9328	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R9329	ERJ6ENF2802	M 28KOHM, 1/10W
R9330	ERJ6ENF2002	M 20KOHM, J, 1/10W

CAPACITORS

Ref. No.	Part No.	Description
C1006	ECUX1H101JCX	C 100PF, J, 50V
C1007	ECUX1H101JCX	C 100PF, J, 50V
C1008	ECUX1H103KBX	C 0.01UF, K, 50V
C1009	ECUX1H103KBX	C 0.01UF, K, 50V
C1010	ECEA1HKA010	E 1UF, 50V
C1011	ECEA1HKA010	E 1UF, 50V
C1012	ECUX1H103KBX	C 0.01UF, K, 50V
C1013	ECEA1HKAR47	E 0.47UF, 50V
C1014	ECUX1H101JCX	C 100PF, J, 50V
C1015	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1016	ECUX1H102JCX	C 1000PF, J, 50V
C1017	ECUX1H102JCX	C 1000PF, J, 50V
C1018	ECUX1H101JCX	C 100PF, J, 50V
C1019	ECUX1H121JCX	C 120PF, J, 50V
C1020	TAC16SA33MF1	ELECTROLYTIC CAPACITOR
C1021	ECUX1H103KBX	C 0.01UF, K, 50V
C1022	ECEA1EKA470	E 47UF, 25V
C1023	ECUX1H103KBX	C 0.01UF, K, 50V
C1024	ECEA1HKA220	E 22UF, 50V
C1025	ECUX1H103KBX	C 0.01UF, K, 50V
C1026	ECEA1CKA101	E 100UF, 16V
C1027	ECUX1H103KBX	C 0.01UF, K, 50V
C1028	ECEA1AKA470	E 47UF, 10V
C1029	ECUX1H103KBX	C 0.01UF, K, 50V
C1030	ECEA1CKA101	E 100UF, 16V
C1031	ECEA1VKA470	E 47UF, 35V
C1032	ECEA1CKA101	E 100UF, 16V
C1033	ECUX1H103KBX	C 0.01UF, K, 50V
C1034	ECUX1H102JCX	C 1000PF, J, 50V
C1035	ECUX1H103KBX	C 0.01UF, K, 50V
C1036	ECEA1CKA101	E 100UF, 16V
C1037	ECUX1H103KBX	C 0.01UF, K, 50V
C1039	ECUX1H103KBX	C 0.01UF, K, 50V
C1042	ECUX1H103KBX	C 0.01UF, K, 50V
C1043	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1044	ECUX1H101JCX	C 100PF, J, 50V
C1045	TCUY1C474KBM	C 0.47UF, 16V
C1046	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1047	ECEA1CKA101	E 100UF, 16V
C1048	ECUX1H103KBX	C 0.01UF, K, 50V
C1049	ECEA1HKA010	E 1UF, 50V
C1050	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1052	ECUX1H103KBX	C 0.01UF, K, 50V
C1053	ECUX1H103KBX	C 0.01UF, K, 50V
C1054	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1055	ECEA1CKA101	E 100UF, 16V
C1056	ECEA1CKA101	E 100UF, 16V
C1057	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1059	ECUX1H220JCX	C 22PF, J, 50V
C1060	ECUX1H220JCX	C 22PF, J, 50V
C1062	ECUX1H180JCX	C 18PF, J, 50V
C1063	ECUX1H180JCX	C 18PF, J, 50V
C1066	ECEA1HKA220	E 22UF, 50V
C1067	ECEA1CKA101	E 100UF, 16V
C1068	ECUX1H103KBX	C 0.01UF, K, 50V
C1069	ECEA1CKN330	E 33UF, 16V
C1070	ECEA1HKA100	E 10UF, 50V
C1071	ECEA1VKA470	E 47UF, 35V
C1072	ECEA1CKN330	E 33UF, 16V
C1073	ECEA1CKA470	E 47UF, 16V
C1074	ECUX1H103KBX	C 0.01UF, K, 50V
C1075	ECEA1VKA470	E 47UF, 35V
C1076	ECEA1CKN330	E 33UF, 16V
C1077	ECEA1CKN220	E 22UF, 16V
C1078	ECUX1H103KBX	C 0.01UF, K, 50V
C1079	ECEA1CKN330	E 33UF, 16V
C1080	ECEA1CKN330	E 33UF, 16V
C1081	ECEA1VKA470	E 47UF, 35V
C1083	ECUX1H101JCX	C 100PF, J, 50V
C1089	ECUX1H103KBX	C 0.01UF, K, 50V
C1090	ECEA1EKN4R7	E 4.7UF, 25V
C1091	ECEA1EKN4R7	E 4.7UF, 25V
C1092	ECUX1H680JCX	C 68PF, J, 50V
C1093	ECUX1H221JCX	C 220PF, J, 50V
C1094	ECUX1H221JCX	C 220PF, J, 50V
C1095	TCUY1C334KBM	C 0.33UF, 16V
C1097	ECUX1H103KBX	C 0.01UF, K, 50V
C1098	ECEA1CKA101	E 100UF, 16V
C1100	ECUX1H103KBX	C 0.01UF, K, 50V
C1101	ECEA1VKA470	E 47UF, 35V
C1102	ECEA1HKA2R2	E 2.2UF, 50V
C1103	ECEA1HKA010	E 1UF, 50V
C1104	ECUX1H123KBX	C 0.012UF, K, 50V
C1105	ECEA1CKA101	E 100UF, 16V
C1106	ECUX1H103KBX	C 0.01UF, K, 50V
C1107	ECEA1HKA100	E 10UF, 50V
C1108	ECEA1HKA0R1	E 0.1UF, 50V
C1109	ECUX1H103KBX	C 0.01UF, K, 50V
C1110	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1111	ECEA1CKA101	E 100UF, 16V
C1112	ECUX1H103KBX	C 0.01UF, K, 50V
C1113	ECEA1HKA0R1	E 0.1UF, 50V
C1114	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1115	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1116	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1117	ECEA1HKA010	E 1UF, 50V
C1118	ECUX1H103KBX	C 0.01UF, K, 50V
C1119	ECEA1HKA010	E 1UF, 50V
C1120	ECEA1HKN2R2	E 2.2UF, 50V
C1121	ECUX1H820JCX	C 82PF, J, 50V
C1122	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1123	ECUX1H560JCX	C 56PF, J, 50V
C1124	ECEA1HKA100	E 10UF, 50V
C1125	ECUX1H224ZFX	C 2700PF, Z, 50V
C1126	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1128	ECEA1HKA100	E 10UF, 50V
C1129	ECEA1CKA101	E 100UF, 16V
C1130	ECEA1HKA100	E 10UF, 50V
C1131	ECUX1E473KBX	C 0.047UF, K, 25V
C1132	ECEA1HKA010	E 1UF, 50V
C1133	ECUX1H103KBX	C 0.01UF, K, 50V
C1134	ECUX1H103KBX	C 0.01UF, K, 50V
C1135	ECEA1VKA470	E 47UF, 35V
C1136	ECUX1H103KBX	C 0.01UF, K, 50V
C1137	ECEA1HKA0R1	E 0.1UF, 50V
C1138	ECUX1H223KBX	C 0.022UF, K, 50V
C1139	ECUX1H090CCX	C 9PF, 50V
C1140	ECUX1H120JCX	C 12PF, J, 50V

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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C1141	ECUX1H223KBX	C 0.022UF, K, 50V	C1229	ECUX1H103KBX	C 0.01UF, K, 50V
C1142	ECUX1H102JCX	C 1000PF, J, 50V	C1231	ECUX1H103KBX	C 0.01UF, K, 50V
C1143	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1232	ECUX1H103KBX	C 0.01UF, K, 50V
C1144	ECUX1H223KBX	C 0.022UF, K, 50V	C1234	ECUX1H103KBX	C 0.01UF, K, 50V
C1145	ECUX1H103KBX	C 0.01UF, K, 50V	C1235	ECUX1H103KBX	C 0.01UF, K, 50V
C1146	ECEA1VKA470	E 47UF, 35V	C1237	ECUX1H680JCX	C 68PF, J, 50V
C1147	ECUX1H271JCX	C 270PF, J, 50V	C1239	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1151	ECUX1H103KBX	C 0.01UF, K, 50V	C1240	ECUX1H680JCX	C 68PF, J, 50V
C1152	ECEA1HKA0R1	E 0.1UF, 50V	C1242	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1153	ECUX1H473ZFX	C 0.047UF, Z, 50V	C1243	ECUX1H680JCX	C 68PF, J, 50V
C1154	ECUX1H103KBX	C 0.01UF, K, 50V	C1245	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1155	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1246	ECUX1H103KBX	C 0.01UF, K, 50V
C1156	ECEA1VKA470	E 47UF, 35V	C1247	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1157	ECUX1E473KBX	C 0.047UF, K, 25V	C1248	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1158	ECEA1HKA100	E 10UF, 50V	C1249	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1159	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1250	ECEA1HKA010	E 1UF, 50V
C1160	ECEA1HKNR47	E 0.47UF, 50V	C1251	ECUX1H472KBX	C 4700PF, K, 50V
C1161	ECEA1HKAR47	E 0.47UF, 50V	C1252	ECUX1H103KBX	C 0.01UF, K, 50V
C1162	ECEA1HKAR47	E 0.47UF, 50V	C1253	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1163	ECEA1CKA101	E 100UF, 16V	C1254	ECEA1CKN330	E 33UF, 16V
C1164	ECUX1H103KBX	C 0.01UF, K, 50V	C1255	ECEA1CKN330	E 33UF, 16V
C1165	ECEA1VKA470	E 47UF, 35V	C1256	ECEA1CKN330	E 33UF, 16V
C1166	ECEA1HKA0R1	E 0.1UF, 50V	C1257	ECEA1CKN220	E 22UF, 16V
C1167	ECEA1HKNR47	E 0.47UF, 50V	C1258	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1168	ECEA1HKNR47	E 0.47UF, 50V	C1259	ECUX1H470JCX	C 47PF, J, 50V
C1169	ECUX1H103KBX	C 0.01UF, K, 50V	C1260	ECUX1H121JCX	C 120PF, J, 50V
C1170	ECEA1HKN2R2	E 2.2UF, 50V	C1261	ECEA1CKN220	E 22UF, 16V
C1171	ECEA1HKN2R2	E 2.2UF, 50V	C1262	ECUX1H103KBX	C 0.01UF, K, 50V
C1172	ECEA1HKA100	E 10UF, 50V	C1263	ECUX1H103KBX	C 0.01UF, K, 50V
C1173	ECEA1HKA2R2	E 2.2UF, 50V	C1264	ECA1CM331G	E 330UF, 16V
C1174	ECEA1HKA2R2	E 2.2UF, 50V	C1265	ECUX1H102JCX	C 1000PF, J, 50V
C1175	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1266	ECEA1CKN470	E 47UF, 16V
C1176	ECUX1H101JCX	C 100PF, J, 50V	C1267	ECUX1H102JCX	C 1000PF, J, 50V
C1177	ECUX1H103KBX	C 0.01UF, K, 50V	C1268	ECEA1CKN470	E 47UF, 16V
C1178	ECUX1H121JCX	C 120PF, J, 50V	C1269	ECUX1H102JCX	C 1000PF, J, 50V
C1179	ECUX1H101JCX	C 100PF, J, 50V	C1270	ECEA1CKN470	E 47UF, 16V
C1180	ECUX1H103KBX	C 0.01UF, K, 50V	C1271	ECUX1H102JCX	C 1000PF, J, 50V
C1181	ECUX1H103KBX	C 0.01UF, K, 50V	C1272	ECEA1CKN470	E 47UF, 16V
C1182	ECUX1H103KBX	C 0.01UF, K, 50V	C1273	ECUX1H102JCX	C 1000PF, J, 50V
C1183	ECUX1H103KBX	C 0.01UF, K, 50V	C1274	ECEA1CKN470	E 47UF, 16V
C1184	ECUX1H103KBX	C 0.01UF, K, 50V	C1275	ECUX1H102JCX	C 1000PF, J, 50V
C1185	ECEA1HKA220	E 22UF, 50V	C1276	ECEA1CKN470	E 47UF, 16V
C1186	ECUX1H103KBX	C 0.01UF, K, 50V	C1277	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1187	ECUX1H103KBX	C 0.01UF, K, 50V	C1283	ECEA1EKN3R3	E 3.3UF, 25V
C1194	ECEA1EKN220	E 22UF, 25V	C1284	ECEA1EKN3R3	E 3.3UF, 25V
C1195	ECEA1EKN220	E 22UF, 25V	C1285	ECEA1EKN3R3	E 3.3UF, 25V
C1196	ECEA1EKN220	E 22UF, 25V	C1286	ECUX1H681JCX	C 680PF, J, 50V
C1197	ECUX1H103KBX	C 0.01UF, K, 50V	C1287	ECUX1H681JCX	C 680PF, J, 50V
C1198	ECEA1CKA470	E 47UF, 16V	C1288	ECUX1H681JCX	C 680PF, J, 50V
C1199	ECUX1H103KBX	C 0.01UF, K, 50V	C1300	ECUX1H150JCX	C 15PF, J, 50V
C1200	ECUX1H103KBX	C 0.01UF, K, 50V	C1301	ECUX1H150JCX	C 15PF, J, 50V
C1201	ECUX1H103KBX	C 0.01UF, K, 50V	C1302	ECUX1H270JCX	C 27PF, J, 50V
C1202	ECUX1H103KBX	C 0.01UF, K, 50V	C1303	ECEA1HKN010	E 1UF, 50V
C1203	ECEA1HKA2R2	E 2.2UF, 50V	C1305	ECUX1H080CCX	C 8PF, C, 50V
C1205	ECUX1H101JCX	C 100PF, J, 50V	C1306	ECUX1H080CCX	C 8PF, C, 50V
C1206	ECUX1H101JCX	C 100PF, J, 50V	C1307	ECUX1H080CCX	C 8PF, C, 50V
C1207	ECEA1HKA010	E 1UF, 50V	C1310	ECKF1H101KB	C 100PF, K, 50V
C1208	ECUX1H103KBX	C 0.01UF, K, 50V	C2001	ECUX1C105ZFX	C 1UF, Z, 16V
C1209	ECEA1HKA010	E 1UF, 50V	C2002	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1210	ECUX1H103KBX	C 0.01UF, K, 50V	C2003	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1211	ECEA1HKA010	E 1UF, 50V	C2004	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1212	ECUX1H103KBX	C 0.01UF, K, 50V	C2005	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1213	ECUX1H103KBX	C 0.01UF, K, 50V	C2006	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1218	ECEA1CKA101	E 100UF, 16V	C2007	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1219	ECUX1H103KBX	C 0.01UF, K, 50V	C2008	ECUX1C105ZFX	C 1UF, Z, 16V
C1222	ECUX1H103KBX	C 0.01UF, K, 50V	C2009	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1223	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2010	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1224	TCUY1C334KBM	C 0.33UF, 16V	C2011	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1228	ECUX1H103KBX	C 0.01UF, K, 50V	C2012	ECUX1H104ZFX	C 0.1UF, Z, 50V

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Ref. No.	Part No.	Description
C2013	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2014	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2015	ECUX1C105ZFX	C .1UF, Z, 16V
C2016	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2017	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2018	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2019	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2020	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2021	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2022	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2023	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2024	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2025	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2026	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2027	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2030	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2031	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2032	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2033	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2034	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2035	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2036	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2037	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2038	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2039	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2042	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2043	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2044	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2045	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2046	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2047	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2048	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2049	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2050	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2053	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2054	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2055	ECEA1EKA470	E 47UF, 25V
○ C2055	ECEA1AGE221	E 220UF, 10V
C2056	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2057	ECUX1H470JCX	C 47PF, J, 50V
C2058	ECUX1H470JCX	C 47PF, J, 50V
C2059	ECUX1C105ZFX	C 1UF, Z, 16V
C2060	ECUX1C105ZFX	C 1UF, Z, 16V
C2061	ECUX1H102JCX	C 1000PF, J, 50V
C2062	ECUX1H102JCX	C 1000PF, J, 50V
C2063	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2064	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2065	ECUX1H102JCX	C 1000PF, J, 50V
C2066	ECUX1H102JCX	C 1000PF, J, 50V
C2067	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2068	ECUX1H102JCX	C 1000PF, J, 50V
● C2069	ECEA1EKA220	E 22UF, 25V
○ C2069	ECEA1EKA470	E 47UF, 25V
● C2070	ECEA1EKA220	E 22UF, 25V
○ C2070	ECEA1EKA470	E 47UF, 25V
C2071	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2072	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2073	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2074	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2075	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2076	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2077	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2078	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2079	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2080	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2081	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2082	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2083	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2084	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2085	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2086	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2087	ECEA1CGE221	E 220UF, 16V
○ C2087	ECEA1AGE221	E 220UF, 10V
C2088	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2089	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2090	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2091	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2092	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2093	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2094	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2095	ECUX1C105ZFX	C 1UF, Z, 16V
C2096	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2097	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2098	ECA1CM471	E 470UF, 16V
○ C2098	ECA1AM471	E 470UF, 10V
C2099	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2100	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2101	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2102	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2103	ECUX1H102JCX	C 1000PF, J, 50V
C2104	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2105	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2106	ECA1CM471	E 470UF, 16V
○ C2106	ECA1AM471	E 470UF, 10V
C2107	ECUX1C105ZFX	C 1UF, Z, 16V
C2108	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2109	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2110	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2111	ECUX1C105ZFX	C 1UF, Z, 16V
C2112	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2113	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2114	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2115	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2116	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2117	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2118	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2119	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2120	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2121	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2122	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2123	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2124	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2125	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2126	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2127	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2128	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2129	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2130	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2131	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2132	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2133	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2134	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2135	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2136	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2137	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2138	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2139	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2140	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2141	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2142	ECA1EM221G	E 220UF, 25V
○ C2142	ECEA1EGE221	E 220UF, 25V
C2143	ECEA1AKA221	E 220UF, 10V
● C2144	ECA1EM221G	E 220UF, 25V
○ C2144	ECEA1EGE221	E 220UF, 25V
C2145	ECEA1AKA221	E 220UF, 10V
C2146	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2147	ECUX1H390JCX	C 39PF, J, 50V
C2148	ECA1EM221G	E 220UF, 25V

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Ref. No.	Part No.	Description
C2149	ECA1EM221G	E 220UF, 25V
C2150	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2151	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2152	ECUX1H103KBX	C 0.01UF, K, 50V
C2153	ECA1AM471	E 470UF, 10V
C2154	ECA1AM471	E 470UF, 10V
C2155	ECA1AM471	E 470UF, 10V
C2156	ECEA1AGE221	E 220UF, 10V
○ C2157	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2158	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2159	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2160	ECUX1H101JCX	C 100PF, J, 50V
C2161	ECUX1H101JCX	C 100PF, J, 50V
C2162	ECUX1H101JCX	C 100PF, J, 50V
C2163	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2164	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2165	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2166	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2167	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2168	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2169	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2170	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2171	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2201	ECUX1H103KBX	C 0.01UF, K, 50V
C2202	ECUX1H103KBX	C 0.01UF, K, 50V
C2203	ECUX1H103KBX	C 0.01UF, K, 50V
● C2204	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2204	ECUX1H680JCX	C 68PF, J, 50V
● C2205	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2205	ECUX1H680JCX	C 68PF, J, 50V
● C2206	ECUX1H680JCX	C 68PF, J, 50V
○ C2206	ECUX1H103KBX	C 0.01UF, K, 50V
● C2207	ECUX1H680JCX	C 68PF, J, 50V
○ C2207	ECUX1H103KBX	C 0.01UF, K, 50V
C2208	ECUX1H103KBX	C 0.01UF, K, 50V
C2209	TCUY1C105ZFN	C 1UF, 16V
C2210	ECUX1H121JCX	C 120PF, J, 50V
C2211	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2212	TCUY1C105ZFN	C 1UF, 16V
C2213	ECUX1H103KBX	C 0.01UF, K, 50V
C2214	ECUX1H103KBX	C 0.01UF, K, 50V
C2215	ECUX1H103KBX	C 0.01UF, K, 50V
C2216	ECUX1H103KBX	C 0.01UF, K, 50V
C2217	ECUX1H103KBX	C 0.01UF, K, 50V
C2218	ECUX1H103KBX	C 0.01UF, K, 50V
C2219	ECUX1H103KBX	C 0.01UF, K, 50V
C2220	ECUX1H470JCX	C 47PF, J, 50V
C2221	ECUX1H470JCX	C 47PF, J, 50V
C2222	ECUX1H470JCX	C 47PF, J, 50V
C2223	ECHU1C223JA5	P 0.022UF, 16V
C2224	ECHU1C223JA5	P 0.022UF, 16V
C2225	ECHU1C223JA5	P 0.022UF, 16V
C2226	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2227	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2228	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2229	ECUX1H223ZFX	C 0.022UF, Z, 50V
C2230	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2231	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2232	ECUX1H223ZFX	C 0.022UF, Z, 50V
C2233	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2234	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2235	ECUX1H223ZFX	C 0.022UF, Z, 50V
C2236	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2237	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2241	ECUX1H470JCX	C 47PF, J, 50V
○ C2241	ECUX1H103KBX	C 0.01UF, K, 50V
● C2242	ECUX1H470JCX	C 47PF, J, 50V
○ C2242	ECUX1H103KBX	C 0.01UF, K, 50V
● C2243	ECUX1H470JCX	C 47PF, J, 50V
○ C2243	ECUX1H103KBX	C 0.01UF, K, 50V
● C2244	ECHU1C223JA5	P 0.022UF, 16V
● C2245	ECHU1C223JA5	P 0.022UF, 16V
● C2246	ECHU1C223JA5	P 0.022UF, 16V
● C2247	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2248	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2249	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2250	ECUX1H223ZFX	C 0.022UF, Z, 50V
● C2251	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2252	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2253	ECUX1H223ZFX	C 0.022UF, Z, 50V
● C2254	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2255	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2256	ECUX1H223ZFX	C 0.022UF, Z, 50V
● C2257	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2258	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2262	ECUX1H103KBX	C 0.01UF, K, 50V
● C2263	ECUX1H103KBX	C 0.01UF, K, 50V
● C2264	ECUX1H103KBX	C 0.01UF, K, 50V
● C2265	ECUX1H103KBX	C 0.01UF, K, 50V
● C2266	ECUX1H103KBX	C 0.01UF, K, 50V
● C2267	ECUX1H103KBX	C 0.01UF, K, 50V
● C2268	ECUX1H103KBX	C 0.01UF, K, 50V
● C2269	ECUX1H103KBX	C 0.01UF, K, 50V
● C2270	ECUX1H103KBX	C 0.01UF, K, 50V
● C2271	ECUX1H103KBX	C 0.01UF, K, 50V
● C2272	ECUX1H103KBX	C 0.01UF, K, 50V
● C2273	ECUX1H103KBX	C 0.01UF, K, 50V
● C2274	ECUX1H103KBX	C 0.01UF, K, 50V
● C2275	ECUX1H103KBX	C 0.01UF, K, 50V
● C2276	ECUX1H103KBX	C 0.01UF, K, 50V
● C2277	ECUX1H103KBX	C 0.01UF, K, 50V
● C2278	ECUX1H103KBX	C 0.01UF, K, 50V
● C2279	ECUX1H103KBX	C 0.01UF, K, 50V
● C2280	ECUX1H103KBX	C 0.01UF, K, 50V
● C2281	ECUX1H103KBX	C 0.01UF, K, 50V
● C2282	ECUX1H103KBX	C 0.01UF, K, 50V
● C2283	ECUX1H103KBX	C 0.01UF, K, 50V
● C2284	ECUX1H103KBX	C 0.01UF, K, 50V
● C2285	ECUX1H103KBX	C 0.01UF, K, 50V
● C2286	ECUX1H103KBX	C 0.01UF, K, 50V
● C2287	ECUX1H103KBX	C 0.01UF, K, 50V
● C2288	ECUX1H103KBX	C 0.01UF, K, 50V
● C2289	ECUX1H103KBX	C 0.01UF, K, 50V
● C2290	ECUX1H103KBX	C 0.01UF, K, 50V
● C2291	ECUX1H103KBX	C 0.01UF, K, 50V
● C2292	ECUX1H103KBX	C 0.01UF, K, 50V
● C2293	ECUX1H103KBX	C 0.01UF, K, 50V
● C2294	ECUX1H103KBX	C 0.01UF, K, 50V
● C2298	ECUX1H103KBX	C 0.01UF, K, 50V
● C2299	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2301	ECEA1CKA101	E 100UF, 16V
○ C2302	ECEA1CKA101	E 100UF, 16V
○ C2303	ECEV1CG470GP	E 47UF, 16V
● C2304	ECUX1H330JCX	C 33PF, J, 50V
○ C2304	ECA1AM471	E 470UF, 10V
○ C2305	ECA1AM471	E 470UF, 10V
● C2306	ECUX1H330JCX	C 33PF, J, 50V
○ C2306	ECEV1CG470GP	E 47UF, 16V
○ C2307	ECEV1CG470GP	E 47UF, 16V
○ C2308	ECEA1CKA220	E 22UF, 16V
○ C2309	ECEV1CG220GP	E 22UF, 16V
● C2310	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2310	ECEA1CKA470	E 47UF, 16V
● C2311	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2311	ECEA1CKA101	E 100UF, 16V
● C2312	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2312	ECEA1EKA4R7	E 4.7UF, 25V
● C2313	ECUX1H103KBX	C 0.01UF, K, 50V

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

Ref. No.	Part No.	Description
○ C2313	ECEA1EKA4R7	E 4.7UF, 25V
● C2314	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2314	ECEA1EKA4R7	E 4.7UF, 25V
● C2315	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2315	ECEA1EKA4R7	E 4.7UF, 25V
● C2316	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2316	ECEA1EKA4R7	E 4.7UF, 25V
● C2317	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2317	ECEA1EKA4R7	E 4.7UF, 25V
○ C2318	ECEA1CKA470	E 47UF, 16V
● C2320	ECUX1H103KBX	C 0.01UF, K, 50V
● C2321	ECUX1H103KBX	C 0.01UF, K, 50V
● C2322	ECUX1H103KBX	C 0.01UF, K, 50V
● C2323	ECUX1H103KBX	C 0.01UF, K, 50V
● C2324	ECUX1H103KBX	C 0.01UF, K, 50V
● C2325	ECUX1H103KBX	C 0.01UF, K, 50V
● C2326	ECUX1H103KBX	C 0.01UF, K, 50V
● C2327	ECUX1H103KBX	C 0.01UF, K, 50V
● C2350	ECEA1CKA101	E 100UF, 16V
● C2351	ECEA1CKA101	E 100UF, 16V
● C2352	ECEV1CG470GP	E 47UF, 16V
● C2353	ECA1CM471	E 470UF, 16V
● C2354	ECA1CM471	E 470UF, 16V
● C2355	ECEV1CG470GP	E 47UF, 16V
● C2356	ECEV1CG470GP	E 47UF, 16V
● C2357	ECEA1CKA220	E 22UF, 16V
● C2358	ECEV1CG220GP	E 22UF, 16V
● C2359	ECEA1CKA470	E 47UF, 16V
● C2360	ECEA1CKA101	E 100UF, 16V
● C2361	ECEA1EKA4R7	E 4.7UF, 25V
● C2362	ECEA1EKA4R7	E 4.7UF, 25V
● C2363	ECEA1EKA4R7	E 4.7UF, 25V
● C2364	ECEA1EKA4R7	E 4.7UF, 25V
● C2365	ECEA1EKA4R7	E 4.7UF, 25V
● C2366	ECEA1EKA4R7	E 4.7UF, 25V
● C2367	ECEA1CKA470	E 47UF, 16V
● C2368	ECEA1CKA101	E 100UF, 16V
● C2369	ECEA1EKA4R7	E 4.7UF, 25V
● C2370	ECEA1EKA4R7	E 4.7UF, 25V
● C2371	ECEA1EKA4R7	E 4.7UF, 25V
● C2372	ECEA1EKA4R7	E 4.7UF, 25V
● C2373	ECEA1EKA4R7	E 4.7UF, 25V
● C2374	ECEA1EKA4R7	E 4.7UF, 25V
● C2375	ECEA1CKA470	E 47UF, 16V
● C2376	ECEA1CKA470	E 47UF, 16V
● C2377	ECEA1CKA470	E 47UF, 16V
● C2378	ECA1CM471	E 470UF, 16V
● C2379	ECA1CM471	E 470UF, 16V
● C2380	ECA1CM471	E 470UF, 16V
● C2381	ECA1CM471	E 470UF, 16V
● C2424	ECUX1H330JCX	C 33PF, J, 50V
● C2428	ECUX1H101JCX	C 100PF, J, 50V
● C2440	ECUX1H330JCX	C 33PF, J, 50V
● C2441	ECUX1H330JCX	C 33PF, J, 50V
● C2443	ECUX1H330JCX	C 33PF, J, 50V
● C2444	ECUX1H101JCX	C 100PF, J, 50V
● C2445	ECUX1H330JCX	C 33PF, J, 50V
● C2446	ECUX1H330JCX	C 33PF, J, 50V
● C2447	ECUX1H101JCX	C 100PF, J, 50V
● C2448	ECUX1H101JCX	C 100PF, J, 50V
● C2449	ECUX1H101JCX	C 100PF, J, 50V
● C2450	ECUX1H101JCX	C 100PF, J, 50V
● C2451	ECUX1H101JCX	C 100PF, J, 50V
● C2452	ECUX1H330JCX	C 33PF, J, 50V
C7001	ECUX1H101JCX	C 100PF, J, 50V
C7002	ECUX1H101JCX	C 100PF, J, 50V
C7003	ECUX1H101JCX	C 100PF, J, 50V
C7004	ECUX1H101JCX	C 100PF, J, 50V
C7005	ECUX1H102JCX	C 1000PF, J, 50V

Ref. No.	Part No.	Description
C7006	ECUX1H102JCX	C 1000PF, J, 50V
C7007	ECUX1H101JCX	C 100PF, J, 50V
C7008	ECUX1H101JCX	C 100PF, J, 50V
C7009	ECUX1H102JCX	C 1000PF, J, 50V
C7011	ECEA1EKA220	E 22UF, 25V
C7012	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7013	ECUX1H330JCX	C 33PF, J, 50V
C7014	ECUX1H330JCX	C 33PF, J, 50V
C7015	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7016	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7017	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7018	ECUX1H102JCX	C 1000PF, J, 50V
C7019	ECUX1H333ZFX	C 0.033UF, Z, 50V
C7020	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7021	ECUX1H102JCX	C 1000PF, J, 50V
C7022	ECUX1H102JCX	C 1000PF, J, 50V
C7023	ECUX1H102JCX	C 1000PF, J, 50V
C7024	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7025	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7026	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7027	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7028	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C7029	ECA1CM471	E 470UF, 16V
○ C7029	ECA1AM471	E 470UF, 10V
C7030	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7031	ECEA1EKA220	E 22UF, 25V
C7032	ECEA1EKA220	E 22UF, 25V
C7033	ECUX1H102JCX	C 1000PF, J, 50V
C7034	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7035	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7036	ECEA1AGE221	E 220UF, 10V
● C7037	ECA1EM221G	E 220UF, 25V
○ C7037	ECEA1EGE221	E 220UF, 25V
● C7038	ECEA1EKA220	E 22UF, 25V
○ C7038	ECEA1EGE221	E 220UF, 25V
C7039	ECUX1H102JCX	C 1000PF, J, 50V
C7040	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C7041	ECA1EM221G	E 220UF, 25V
○ C7041	ECEA1EGE221	E 220UF, 25V
C7042	ECUX1H102JCX	C 1000PF, J, 50V
C7043	ECUX1H102JCX	C 1000PF, J, 50V
C7044	ECUX1H101JCX	C 100PF, J, 50V
C7045	ECUX1H101JCX	C 100PF, J, 50V
C7046	ECUX1C105ZFX	C 1UF, Z, 16V
C7047	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7048	ECEA1EKA101	E 100UF, 25V
C7049	ECEA1EKA101	E 100UF, 25V
C7050	ECEA1AKA470	E 47UF, 10V
C7051	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7052	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C7053	ECEA1AKA470	E 47UF, 10V
C7501	ECEA1CKA100	E 10UF, 16V
C7502	ECEA1CKA100	E 10UF, 16V
C7503	ECEA1CKA100	E 10UF, 16V
C7507	ECUX1H103KBX	C 0.01UF, K, 50V
C7509	ECEA1CKA100	E 10UF, 16V
C7510	ECEA1CKA100	E 10UF, 16V
C7511	ECEA1CKA100	E 10UF, 16V
C7514	ECUX1H103KBX	C 0.01UF, K, 50V
C7515	ECUX1H103KBX	C 0.01UF, K, 50V
C7516	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7519	ECUX1H103KBX	C 0.01UF, K, 50V
C7520	ECEA1CKA101	E 100UF, 16V
C7521	ECEA1CKA101	E 100UF, 16V
C7522	ECUX1H103KBX	C 0.01UF, K, 50V
C7523	ECEA1AKA101	E 100UF, 10V
C7524	ECUX1H103KBX	C 0.01UF, K, 50V
C7525	ECEA1CKN100	E 10UF, 16V
C7526	ECUX1C105ZFX	C 1UF, Z, 16V

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Ref. No.	Part No.	Description
C7527	ECUX1H151JCX	C 150PF, J, 50V
C7528	ECEA1CKN100	E 10UF, 16V
C7529	ECUX1C105ZFX	C 1UF, Z, 16V
C7530	ECUX1H220JCX	C 22PF, J, 50V
C7531	ECUX1H470JCX	C 47PF, J, 50V
C7532	ECEA1CKN100	E 10UF, 16V
C7533	ECUX1C105ZFX	C 1UF, Z, 16V
C7534	ECUX1H151JCX	C 150PF, J, 50V
C7535	ECEA1CKN100	E 10UF, 16V
C7536	ECUX1C105ZFX	C 1UF, Z, 16V
C7537	ECUX1H220JCX	C 22PF, J, 50V
C7538	ECUX1H470JCX	C 47PF, J, 50V
C7539	ECEA1EKA4R7	E 4.7UF, 25V
C7540	ECUX1H101JCX	C 100PF, J, 50V
C7541	ECUX1H102JCX	C 1000PF, J, 50V
C7542	ECEA1CKA100	E 10UF, 16V
C7543	ECUX1H102JCX	C 1000PF, J, 50V
C7601	ECEA1CKA470	E 47UF, 16V
C7602	ECEA1CKA470	E 47UF, 16V
C7603	ECEA1CKA470	E 47UF, 16V
C7604	ECEA1CKA470	E 47UF, 16V
C7605	ECEA1CKA470	E 47UF, 16V
C7606	ECEA1CKA470	E 47UF, 16V
C7607	ECUX1H103KBX	C 0.01UF, K, 50V
C7608	ECUX1H103KBX	C 0.01UF, K, 50V
C7609	ECEA1HKN010	E 1UF, 50V
C7610	ECEA1CKA220	E 22UF, 16V
C7611	ECEA1HKA4R7	E 4.7UF, 50V
C7612	ECEA1HKN010	E 1UF, 50V
C7613	ECEA1CKA100	E 10UF, 16V
C7614	ECEA1CKA100	E 10UF, 16V
C7615	ECUX1H272KBX	C 2700PF, K, 50V
C7616	ECUX1H272KBX	C 2700PF, K, 50V
C7617	ECEA1EKA470	E 47UF, 25V
C7618	ECEA1HKN010	E 1UF, 50V
C7619	ECEA1HKN010	E 1UF, 50V
C7701	ECUX1H330JCX	C 33PF, J, 50V
C7702	ECUX1H330JCX	C 33PF, J, 50V
C7703	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7704	ECUX1H103KBX	C 0.01UF, K, 50V
C7705	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7706	ECUX1H330JCX	C 33PF, J, 50V
C7707	ECUX1H330JCX	C 33PF, J, 50V
C7708	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7709	ECUX1C105ZFX	C 1UF, Z, 16V
C7710	ECUX1C105ZFX	C 1UF, Z, 16V
C7711	ECUX1C105ZFX	C 1UF, Z, 16V
C7712	ECUX1C105ZFX	C 1UF, Z, 16V
C7713	ECUX1H221JCX	C 220PF, J, 50V
C7714	ECUX1H221JCX	C 220PF, J, 50V
C7801	ECEA1CKA470	E 47UF, 16V
C7802	ECUX1H103KBX	C 0.01UF, K, 50V
C7803	ECEA1CKA100	E 10UF, 16V
C7804	ECEA1CKA100	E 10UF, 16V
C7805	ECEA1CKA101	E 100UF, 16V
C7806	ECEA1HKN010	E 1UF, 50V
C7807	ECUX1H102JCX	C 1000PF, J, 50V
C7808	ECUX1H102JCX	C 1000PF, J, 50V
C7809	ECEA1HKN010	E 1UF, 50V
C7810	ECEA1CKA101	E 100UF, 16V
C7811	ECA1CM102	E 1000UF, 16V
C7812	ECEA1EN470U	E 47UF, 25V
C7813	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7814	ECA1VM221G	E 220UF, 35V
C7815	ECA1VM221G	E 220UF, 35V
C7816	ECEA1EN470U	E 47UF, 25V
C7817	ECUX1H104ZFX	C 0.1UF, Z, 50V
C7818	ECA1CM102	E 1000UF, 16V
C7819	ECA1VM470	E 47UF, 35V
C7820	ECEA1CKA100	E 10UF, 16V
C7901	ECUX1H103KBX	C 0.01UF, K, 50V
C7902	TAC16SA33MF1	ELECTROLYTIC CAPACITOR
C7903	ECEA1CKA470	E 47UF, 16V
C7904	ECUX1H103KBX	C 0.01UF, K, 50V
⚠ C9101	ECQU2A224MN	P 0.22UF, M, 250V
⚠ C9102	ECKDNS222MEJ	C 2200PF, M,
⚠ C9103	ECKDNS222MEJ	C 2200PF, M,
⚠ C9104	ECQE2A474MW	P 0.47UF, 250V
⚠ C9105	ECQE2A474MW	P 0.47UF, 250V
⚠ C9106	ECQE2A474MW	P 0.47UF, 250V
⚠ C9201	ECQU2A105MV	P 1UF, M, 250V
⚠ C9203	ECKDNS472ME	C 4700PF, M,
⚠ C9204	ECKDNS472ME	C 4700PF, M,
⚠ C9205	ECKDNS472ME	C 4700PF, M,
⚠ C9206	ECQE6225JF	P 2.2UF, J, 630V
C9207	ECKD3D221JBP	C 220PF, J, 2KV
C9208	EC0S2WB151DB	E 150UF, 450V
C9209	ECUX1H103KBX	C 0.01UF, K, 50V
C9210	ECUX1H103KBX	C 0.01UF, K, 50V
C9211	ECEA1HGE221	E 220UF, 50V
C9212	ECKD3A122KBP	C 1200PF, K, 1KV
C9213	ECUX1H103KBX	C 0.01UF, K, 50V
C9214	ECEA1VGE331	E 330UF, 35V
C9215	ECEA1HGE2R2	E 2.2UF, 50V
C9216	ECUX1H121JCX	C 120PF, J, 50V
C9217	ECUX1H681JCX	C 680PF, J, 50V
C9218	ECUX1H472KBX	C 4700PF, K, 50V
C9219	ECUX1H471JCX	C 470PF, J, 50V
C9220	ECUX1H101JCX	C 100PF, J, 50V
C9221	ECEA1HN010U	E 1UF, 50V
C9222	ECUX1H103KBX	C 0.01UF, K, 50V
C9223	ECQB1H104JF	P 0.1UF, J, 50V
C9224	ECEA1VGE471	E 470UF, 35V
C9225	ECKD3A152KBP	C 1500PF, K, 1KV
C9226	ECQE6153KF	P 0.015UF, J, 630V
C9227	ECEA1CGE221	E 220UF, 16V
C9228	ECQB1H104JF	P 0.1UF, J, 50V
C9229	ECKD3A122KBP	C 1200PF, K, 1KV
⚠ C9230	ECKCNA102MBX	C 1000PF, M,
C9231	ECEA1EGE221	E 220UF, 25V
C9232	EC0S2WB151DB	E 150UF, 450V
C9233	EC0S2WB151DB	E 150UF, 450V
C9234	ECEA1HGE3R3	E 3.3UF, 50V
C9301	EEUFA1C332	E 3300UF, 16V
C9302	EEUFA1E222	E 2200UF, 25V
C9303	EEUFA1E102	E 1000UF, 25V
C9304	EEUFA1C102	E 1000UF, 16V
C9305	EEUFA1V471	E 470UF, 35V
C9307	ECEA1HGE100	E 10UF, 50V
C9308	ECQB1H224JF	P 0.22UF, J, 50V
C9309	EEUFA1E222	E 2200UF, 25V
C9310	ECUX1H103KBX	C 0.01UF, K, 50V
C9311	ECEA1EGE101	E 100UF, 25V
C9312	ECUX1H103KBX	C 0.01UF, K, 50V
C9316	ECUX1H103KBX	C 0.01UF, K, 50V
C9317	ECEA1EGE101	E 100UF, 25V
C9318	ECUX1H103KBX	C 0.01UF, K, 50V
C9319	ECEA1CGE101	E 100UF, 16V
C9320	ECUX1H103KBX	C 0.01UF, K, 50V
C9321	ECUX1H103KBX	C 0.01UF, K, 50V
C9322	ECEA1EGE221	E 220UF, 25V
C9323	ECUX1H103KBX	C 0.01UF, K, 50V
C9324	ECEA1EGE221	E 220UF, 25V
C9325	ECUX1C105ZFX	C 1UF, Z, 16V
C9327	ECUX1H103KBX	C 0.01UF, K, 50V
C9328	ECEA1VGE221	E 220UF, 35V
C9329	ECUX1H103KBX	C 0.01UF, K, 50V
C9330	ECKD3A101KBP	C 100PF, K, 1KV

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	Ref. No.	Part No.	Description
	C9331	ECKD3A101KBP	C 100PF, K, 1KV
	C9332	ECKD3A101KBP	C 100PF, K, 1KV
	C9333	ECKD3A101KBP	C 100PF, K, 1KV
	C9334	ECKD3A101KBP	C 100PF, K, 1KV
	C9335	ECEA1EGE471	E 47QUF, 25V
	C9336	ECEA1CGE471	E 470UF, 16V
	C9339	ECEA1CGE471	E 470UF, 16V
	C9340	ECEA1VGE471	E 470UF, 35V
		OTHERS	
	A1	TJSF21830	30P CONNECTOR
	A2	TJSF21830	30P CONNECTOR
	A3	TJSF21830	30P CONNECTOR
●	A4	TJS3A9120	20P CONNECTOR
●	A5	TJS3A9120	20P CONNECTOR
	A6	TJSF21730	30P CONNECTOR
	A7	TJS3A9670	6P CONNECTOR
	A8	TJS3A9660	5P CONNECTOR
	A9	TJSF21615A	15P CONNECTOR
	A10	TJS3A9920	12P CONNECTOR
	A11	TJSF21610A	10P CONNECTOR
	A12	TJS3A9640	3P CONNECTOR
	A13	TJS3A9880	8P CONNECTOR
	A14	TJS3A9640	3P CONNECTOR
	A15	TJSF21608A	8P CONNECTOR
	A16	TJS3A9640	3P CONNECTOR
	A17	TJS3A9640	3P CONNECTOR
	A18	TJS3A9640	3P CONNECTOR
	A19	TJS118590	2P CONNECTOR
	A20	TJS3A9640	3P CONNECTOR
	A21	TJS3A9650	4P CONNECTOR
○	A23	TJSF21610A	10P CONNECTOR
●	D1	TJSF21710	10P CONNECTOR
●	D2	TJS3A9110	10P CONNECTOR
●	D3	TJS3A9110	10P CONNECTOR
	F1	TJS3A9670	6P CONNECTOR
	F2	TJSF21614A	14P CONNECTOR
	F3	TJSF21630	30P CONNECTOR
	F8	TJSF21610A	10P CONNECTOR
⚠	F9001	XBA2C40TR0	FUSE 250V 4A
	J1	TJS1A8120	6P CONNECTOR
	J2	TJSF21714	14P CONNECTOR
	J3	TJSF21715	15P CONNECTOR
	JK1001	TJC6137	EARTH LUG
●	JK2201	TJC6137	EARTH LUG
	JK7000	TJC6137	EARTH LUG
	JK7001	TJC6137	EARTH LUG
	JK7501	TJSF25015	15P CONNECTOR
	JK7502	TJSF25015	15P CONNECTOR
	JK7503	TJS2A9010	TEARMINAL
	JK7504	TJBA071	JACK
	JK7505	TJS9A8061	SOCKET TERMINAL
	JK7506	TJS9A8061	SOCKET TERMINAL
	JK7507	TJSF21409	9P D-SUB
	JK7508	TJSF21513	13P SOCKET
	JK7509	TJS9A8061	SOCKET TERMINAL
	JK7901	TJC6137	EARTH LUG
	JK9101	TJC6137	EARTH LUG
	JK9102	TJC6137	EARTH LUG
	JK9103	TJC6137	EARTH LUG
	JK9301	TJC6137	EARTH LUG
	JK9302	TJC6137	EARTH LUG
	K1	TJSF20702	3P CONNECTOR
	K2	TJSF20702	3P CONNECTOR
	P1	TJSF20702	3P CONNECTOR
	P2	TJSF21205	5P CONNECTOR
	P3	TJS3A9920	12P CONNECTOR
	P4	TJS118620	5P CONNECTOR
	P5	TJS118630	6P CONNECTOR
	R1	TJSF21610A	10P CONNECTOR
⚠	RL9201	TSE10821	RELAY
	RM1000	TNQ10427	REMOCON RECEIVER
	RM7901	TNQ10483	REMOCON RECEIVER
⚠ ●	RTL	TNPA0665AC	CIRCUIT BOARD D
⚠	RTL	TNPA0668AA	CIRCUIT BOARD K
⚠	RTL	TNPA0669AA	CIRCUIT BOARD P
⚠ ●	RTL	TNPA0670AC	CIRCUIT BOARD F
⚠ ○	RTL	TNPA0670AD	CIRCUIT BOARD F
⚠	RTL	TNPA0673AA	CIRCUIT BOARD S
⚠	RTL	TNPA0674AA	CIRCUIT BOARD R
⚠ ●	RTL	TNPH0136AC	CIRCUIT BOARD A
⚠ ○	RTL	TNPH0137AB	CIRCUIT BOARD A
⚠ ●	RTL	TXN/J1VTFZ	CIRCUIT BOARD J
⚠ ○	RTL	TXN/J1VTGZ	CIRCUIT BOARD J
	S1	TJS1A8100	PHONO PIN (4P)
	S2	TJSF21708	8P CONNECTOR
	S3	TJSF25306	6P CONNECTOR
	X1000	EFCA4R43MB3	CERAMIC FILTER
	X1001	TSS816N2	CRYSTAL
	X1002	TSS816N1	CRYSTAL
	X1003	TAFCSB503F30	CERAMIC RESONATOR
●	X2201	TAAA0018	CRYSTAL
	X7001	TSSJ012	CRYSTAL
	X7701	TAF10059	CERAMIC FILTER
	X7702	TAF10059	CERAMIC FILTER

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